

LAND APPLICATION SITE
SOUTHSIDE AG ENTERPRISES LLC
DWSAE 1 - 18
DINWIDDIE COUNTY

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 12/15/18 between Southside Ag referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Dinwiddie, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>51-23A</u>			
<u>64-8</u>			
<u>64-9A</u>			
<u>38-23B</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

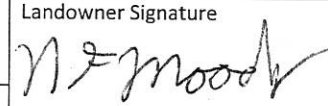
In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Printed name <u>Southside Ag Ent. LLC</u>	Mailing Address <u>4524 White Oak Rd</u> <u>Blackstone, VA 23824</u>	Landowner Signature 
By: <u>Nick Moody</u>	Phone No. <u>804-596-4221</u>	
Title* <u>owner operator/CEO</u>		
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input checked="" type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with \$10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature 
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc

County or City: Dinwiddie

Landowner: Southside Ag

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

N J mood
Landowner's Signature

12/15/18
Date

N J mood
Operator's Signature

4524 White Oak Rd
Blackstone, Va. 23824
mailing address & phone

12/15/18
Date

Landowner Coordination Form

Signature not required on this page

[illegible]

FARM DATA SHEET

SITE NAME:	Southside Ag Enterprises LLC	COUNTY:	Dinwiddie
OWNER:	Southside Ag Enterprises LLC; Nick Moody CEO/owner/operator	OPERATOR:	Nick Moody
OWNER'S ADDRESS:	4524 White Oak Rd. Blackstone, VA 23824	OPERATOR'S ADDRESS:	4524 White Oak Rd. Blackstone, VA 23824
OWNER'S TELEPHONE:	804-896-4221	OPERATOR'S TELEPHONE:	804-896-4221
GENERAL FARM TYPE:	Row Crop/ Pasture	CELL PHONE:	804-896-4221
# CATTLE:	100 (every spring)	EMAIL:	-
LAGOON or SLURRY:	None	LATITUDE:	F 1-10 37.017 F 11-15 37.045 F 16-18 37.114
TOPO QUAD:	Blackstone East Darvilles	LONGITUDE:	F 1-10 -77.841 F 11-15 -77.842 F 16-18 -77.871
COMMENTS:	METHOD OF DETERMINATION: Online Maps		
Fields 16-18 are in the process of being cleared. Fields 8, 9, 13, 14, 15 are to be cleared in the next couple of years.			

BB 9

11-25-19

FIELD CHANGES
SOUTHSIDE AG ENTERPRISES LLC
DINWIDDIE COUNTY

**NEW FIELDS 1, 2, 3, 4, 5, AND 7 ARE ALL PART OF OLD FIELD 13 IN THE
OLD SUNNYSIDE FARM BOOK.**

NEW FIELD 6 IS OLD FIELD 14 IN THE OLD SUNNYSIDE FARM BOOK.

NEW FIELDS 8, 9, AND 10 ARE NEW FIELDS TO BE CLEARED.

**NEW FIELD 11 IS OLD FIELD 2 AND PART OF OLD FIELD 1 IN THE OLD
MEADE HARRISON BOOK.**

**NEW FIELD 12 IS PART OF OLD FIELD 1 IN THE OLD MEADE HARRISON
BOOK.**

**NEW FIELDS 13, 14, 15, 16, 17, AND 18 ARE ALL NEW FIELDS TO BE
CLEARED.**

RECYC SYSTEMS, INC

FIELD DATA SHEET

Field Identification	DEQ Control ID	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
			Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood			
DWSAE 1	51053-00337-0000	9.8	-	-	-	-	CU 11	64-8	T 427 F 3
DWSAE 2	51053-00337-0000	6.8	-	-	-	-	CU 11	64-8	T 427 F 1
DWSAE 3	51053-00337-0000	9.1	-	-	-	-	CU 11	64-8	T 427 F 1
DWSAE 4	51053-00337-0000	12.3	-	-	-	-	CU 11	64-8	T 427 F 1
DWSAE 5	51053-00337-0000	13.5	-	-	-	-	CU 11	64-8	T 427 F 4
DWSAE 6	51053-00338-0000	40.0	-	-	-	-	CU 11	64-8 64-9A	T 427 F 7
DWSAE 7	51053-00337-0000	2.9	-	-	-	-	CU 11	64-8	T 427 F 2
DWSAE 8	New	10.0	16A Nov.-May	-	-	-	CU 11	64-8	T 427 F None
DWSAE 9	New	3.1	-	-	-	-	CU 11	64-9A	T 427 F None
DWSAE 10	New	2.1	-	-	-	-	CU 11	64-8	T 427 F 7

11-25-19

DWSAE 11	51053-00242-0000	29.9	-	-	-	-	CU 11	51-23A	T 5205 F 19
DWSAE 12	51053-00231-0000	20.1	-	-	-	-	CU 11	51-23A	T 5205 F 17
DWSAE 13	New	29.5	-	-	-	-	CU 11	51-23A	T 5205 F None
DWSAE 14	New	48.1	-	-	-	-	CU 11	51-23A	T 5205 F None
DWSAE 15	New	39.7	-	-	-	-	CU 11	51-23A	T 5205 F None
DWSAE 16	New	53.8	909A Dec.-Apr.	-	-	909A Dec.-Apr.	CU 19	38-23B	T 2379 F 1 T 2307 F None
DWSAE 17	New	33.0	-	-	-	-	CU 19	38-23B	T 2379 F 1 T 2307 F None
DWSAE 18	New	26.5	-	-	-	-	CU 19	38-23B	T 2379 F None
TOTAL ACRES IN SITE		390.2							

11-25-19

THE PLANNER IS NOT STATE CERTIFIED

Nutrient Management Plan Balance Sheet
(Fall, 2019-Winter, 2021)
Southside Ag Enterprises LLC
Planner: John Doe

Tract: 427

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - applied N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
3/DWSAE 1(N)	10/10	2019 2020	Wheat (grain)	100-60-60 -- -- --	20/0				80-60-60	N/A			
1/DWSAE 2(N)	7/7	2019 2020	Wheat (grain)	100-60-60 -- -- --	20/0				80-60-60	N/A			
1/DWSAE 3(N)	9/9	2019 2020	Wheat (grain)	100-60-60 -- -- --	20/0				80-60-60	N/A			
1/DWSAE 4(N)	12/12	2019 2020	Wheat (grain)	100-60-60 -- -- --	20/0				80-60-60	N/A			
4/DWSAE 5(N)	14/14	2019 2020	Wheat (grain)	100-60-60 -- -- --	20/0				80-60-60	N/A			
7/DWSAE 6(N)	40/40	2019 2020	Wheat (grain)	100-60-60 -- -- --	20/0				80-60-60	N/A			
2/DWSAE 7(N)	3/3	2019 2020	Wheat (grain)	100-60-60 -- -- --	20/0				80-60-60	N/A			
None/DWSAE 8(N)	10/10	2019	Hay/Pasture	120-80-170	0/0				120-80-170	N/A			
None/DWSAE 9(N)	3/3	2019	Hay/Pasture	120-80-170	0/0				120-80-170	N/A			
7/DWSAE 10(N)	2/2	2019	Hay/Pasture	120-80-170	0/0				120-80-170	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 2307

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
None/DWSAE 17(N)	33/33	2019	Hay/Pasture	100-50-95	0/0				100-50-95	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 2379 Location: Dinwiddie
 (N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1/DWSAE 16(N)	54/54	2019	Hay/Pasture	100-50-95	0/0				100-50-95	N/A			
None/DWSAE 18(N)	27/27	2019	Hay/Pasture	100-50-95	0/0				100-50-95	N/A			

Commercial Application Methods:
 br - Broadcast ba - Banded sd - Sidedress
 Notes:

Tract: 5205

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
19/DWSAE 11(N)	30/30	2019 2020	Wheat (grain)	100-60-60 -- -- --	20/0				80-60-60	N/A			
17/DWSAE 12(N)	20/20	2019 2020	Wheat (grain)	100-60-60 -- -- --	20/0				80-60-60	N/A			
None/DWSAE 13(N)	30/30	2019	Hay/Pasture	100-50-95	0/0				100-50-95	N/A			
None/DWSAE 14(N)	48/48	2019	Hay/Pasture	100-50-95	0/0				100-50-95	N/A			
None/DWSAE 15(N)	40/40	2019	Hay/Pasture	100-50-95	0/0				100-50-95	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Soil Test Summary

Tract	Field	Acre	Date	P2O5	K2O	Lab	Soil pH	Lime Date	rec. lime tons/Ac
427	DWSAE 1	10	[No Test]						
427	DWSAE 2	7	[No Test]						
427	DWSAE 3	9	[No Test]						
427	DWSAE 4	12	[No Test]						
427	DWSAE 5	14	[No Test]						
427	DWSAE 6	40	[No Test]						
427	DWSAE 7	3	[No Test]						
427	DWSAE 8	10	[No Test]						
427	DWSAE 9	3	[No Test]						
427	DWSAE 10	2	[No Test]						
2307	DWSAE 17	33	[No Test]						
2379	DWSAE 16	54	[No Test]						
2379	DWSAE 18	27	[No Test]						
5205	DWSAE 11	30	[No Test]						
5205	DWSAE 12	20	[No Test]						
5205	DWSAE 13	30	[No Test]						
5205	DWSAE 14	48	[No Test]						
5205	DWSAE 15	40	[No Test]						

Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
427	427/3	DWSAE 1	10	Cecil	IVa	II	III	II	
	427/1	DWSAE 2	7	Cecil	IVa	II	III	II	
	427/1	DWSAE 3	9	Cecil	IVa	II	III	II	
	427/1	DWSAE 4	12	Cecil	IVa	II	III	II	
	427/4	DWSAE 5	14	Cecil	IVa	II	III	II	
	427/7	DWSAE 6	40	Cecil	IVa	II	III	II	
	427/2	DWSAE 7	3	Cecil	IVa	II	III	II	
	427/None	DWSAE 8	10	Cecil	IVa	III	III	III	
	427/None	DWSAE 9	3	Cecil	IVa	II	III	II	
	427/7	DWSAE 10	2	Cecil	IVa	II	III	II	
2307	2307/None	DWSAE 17	33	Appling	IVa	II	III	III	
2379	2379/1	DWSAE 16	54	Appling	IVa	II	III	III	
	2379/None	DWSAE 18	27	Appling	IVa	II	III	III	
5205	5205/19	DWSAE 11	30	Appling	IVa	II	III	III	
	5205/17	DWSAE 12	20	Appling	IVa	II	III	III	
	5205/None	DWSAE 13	30	Appling	IVa	II	III	III	
	5205/None	DWSAE 14	48	Appling	IVa	II	III	III	
	5205/None	DWSAE 15	40	Appling	IVa	II	III	III	

Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
I	>170	>80	>64	>6	>4.0
II	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	<4	3.0-3.5
IV	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

Farm Summary Report

Plan: **New Plan** **Fall, 2019 - Winter, 2021**

Farm Name: **Southside Ag Enterprises LLC**

Location: Dinwiddie

Specialist: John Doe

N-based Acres: 390.2

P-based Acres: 0.0

Tract Name: **427**

FSA Number: 427

Location: Dinwiddie

Field Name: **DWSAE 1**

Total Acres: 9.80 Usable Acres: 9.80

FSA Number: 3

Tract: 427

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
83	4B	Cecil
17	4C	Cecil

Field Warnings:

Field Name: DWSAE 2

Total Acres: 6.80 Usable Acres: 6.80

FSA Number: 1

Tract: 427

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
33	4C	Cecil
67	4B	Cecil

Field Warnings:

Field Name: DWSAE 3

Total Acres: 9.10 Usable Acres: 9.10

FSA Number: 1

Tract: 427

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
74	4B	Cecil
26	4C	Cecil

Field Warnings:

Field Name: DWSAE 4

Total Acres: 12.30 Usable Acres: 12.30

FSA Number: 1

Tract: 427

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
66	4C	Cecil
34	4B	Cecil

Field Warnings:

Field Name: DWSAE 5

Total Acres: 13.50 Usable Acres: 13.50

FSA Number: 4

Tract: 427

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
36	4B	Cecil
64	4C	Cecil

Field Warnings:

Field Name: DWSAE 6

Total Acres: 40.00 Usable Acres: 40.00

FSA Number: 7

Tract: 427

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
44	4C	Cecil
56	4B	Cecil

Field Warnings:

Field Name: DWSAE 7

Total Acres: 2.90 Usable Acres: 2.90

FSA Number: 2

Tract: 427

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
100	4C	Cecil

Field Warnings:**Field Name:** DWSAE 8

Total Acres: 10.00 Usable Acres: 10.00

FSA Number: None

Tract: 427

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
85	4C	Cecil
10	4B	Cecil
5	16A	Roanoke

Field Warnings:**Field Name:** DWSAE 9

Total Acres: 3.10 Usable Acres: 3.10

FSA Number: None

Tract: 427

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
5	4B	Cecil
95	4C	Cecil

Field Warnings:

Field Name: DWSAE 10

Total Acres: 2.10 Usable Acres: 2.10

FSA Number: 7

Tract: 427

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
91	4C	Cecil
9	4B	Cecil

Field Warnings:

Tract Name: 2307
FSA Number: 2307
Location: Dinwiddie

Field Name: DWSAE 17
Total Acres: 33.00 **Usable Acres:** 33.00
FSA Number: None
Tract: 2307
Location: Dinwiddie
Slope Class: B **Hydrologic Group:** B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
60	2B	Appling
40	2C	Appling

Field Warnings:**Tract Name:** 2379

FSA Number: 2379

Location: Dinwiddie

Field Name: DWSAE 16

Total Acres: 53.80 Usable Acres: 53.80

FSA Number: 1

Tract: 2379

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
49	2B	Appling
48	2C	Appling
3	9B	Helena

Field Warnings:

Field Name: DWSAE 18

Total Acres: 26.50 Usable Acres: 26.50

FSA Number: None

Tract: 2379

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
38	2C	Appling
63	2B	Appling

Field Warnings:

Tract Name: 5205

FSA Number: 5205

Location: Dinwiddie

Field Name: DWSAE 11

Total Acres: 29.90 Usable Acres: 29.90

FSA Number: 19

Tract: 5205
Location: Dinwiddie
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
98	2B	Appling
2	2C	Appling

Field Warnings:

Field Name: DWSAE 12

Total Acres: 20.10 Usable Acres: 20.10

FSA Number: 17

Tract: 5205

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab
[NO TEST]

Soils:

PERCENT	SYMBOL	SOIL SERIES
13	2C	Appling
87	2B	Appling

Field Warnings:

Field Name: **DWSAE 13**

Total Acres: 29.50 Usable Acres: 29.50

FSA Number: None

Tract: 5205

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab
[NO TEST]

Soils:

PERCENT	SYMBOL	SOIL SERIES
67	2B	Appling
31	2C	Appling
2	4B	Cecil

Field Warnings:**Field Name:** DWSAE 14

Total Acres: 48.10 Usable Acres: 48.10

FSA Number: None

Tract: 5205

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
54	2B	Appling
46	2C	Appling

Field Warnings:**Field Name:** DWSAE 15

Total Acres: 39.70 Usable Acres: 39.70

FSA Number: None

Tract: 5205

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

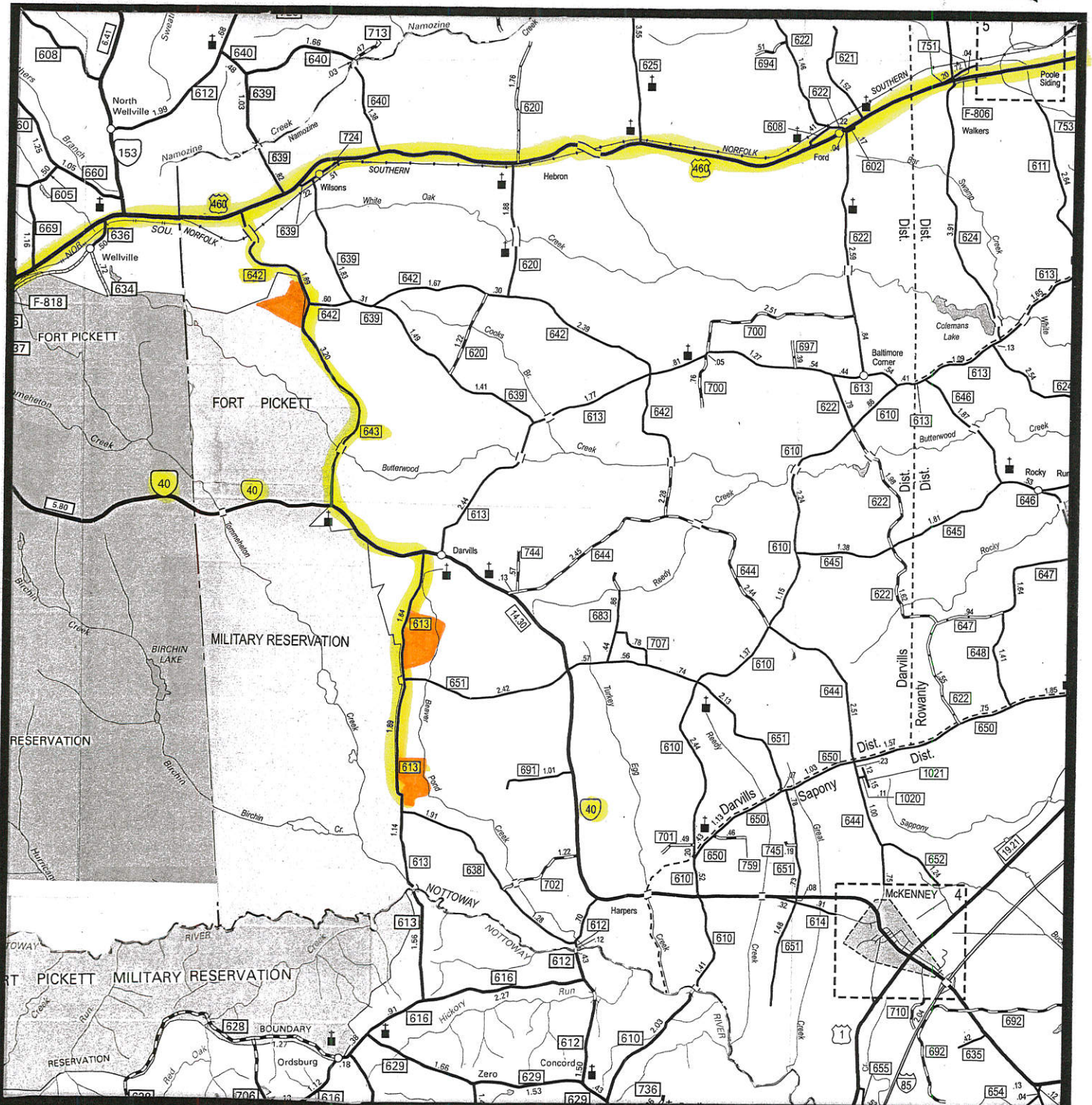
PERCENT	SYMBOL	SOIL SERIES
44	2C	Appling
56	2B	Appling

Field Warnings:

MAPS

Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1" = 2 miles

DW SAE 1-18

Truck Route marked
in Yellow

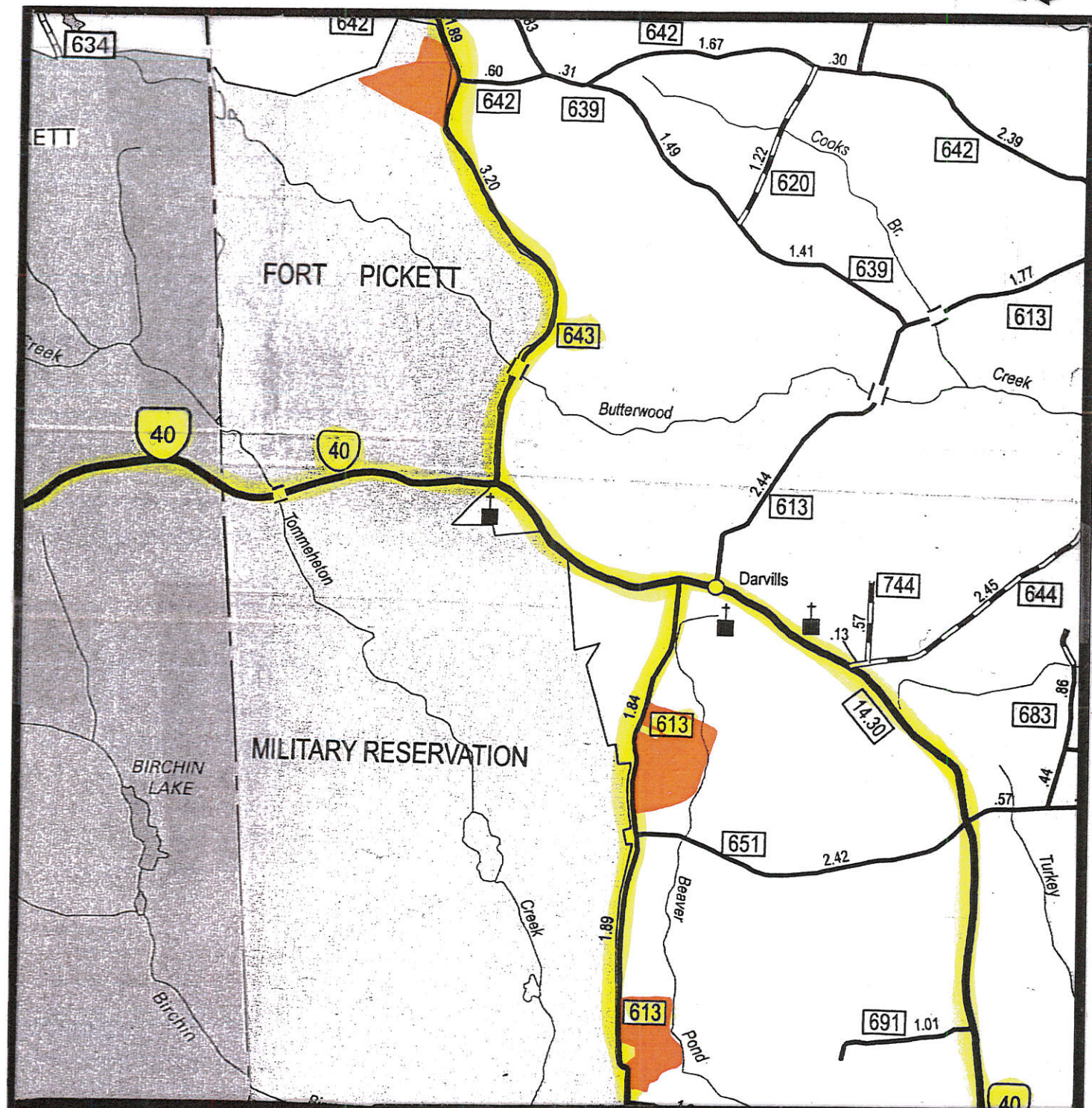
VICINITY MAP



11-25-19

Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1" = 1 mile

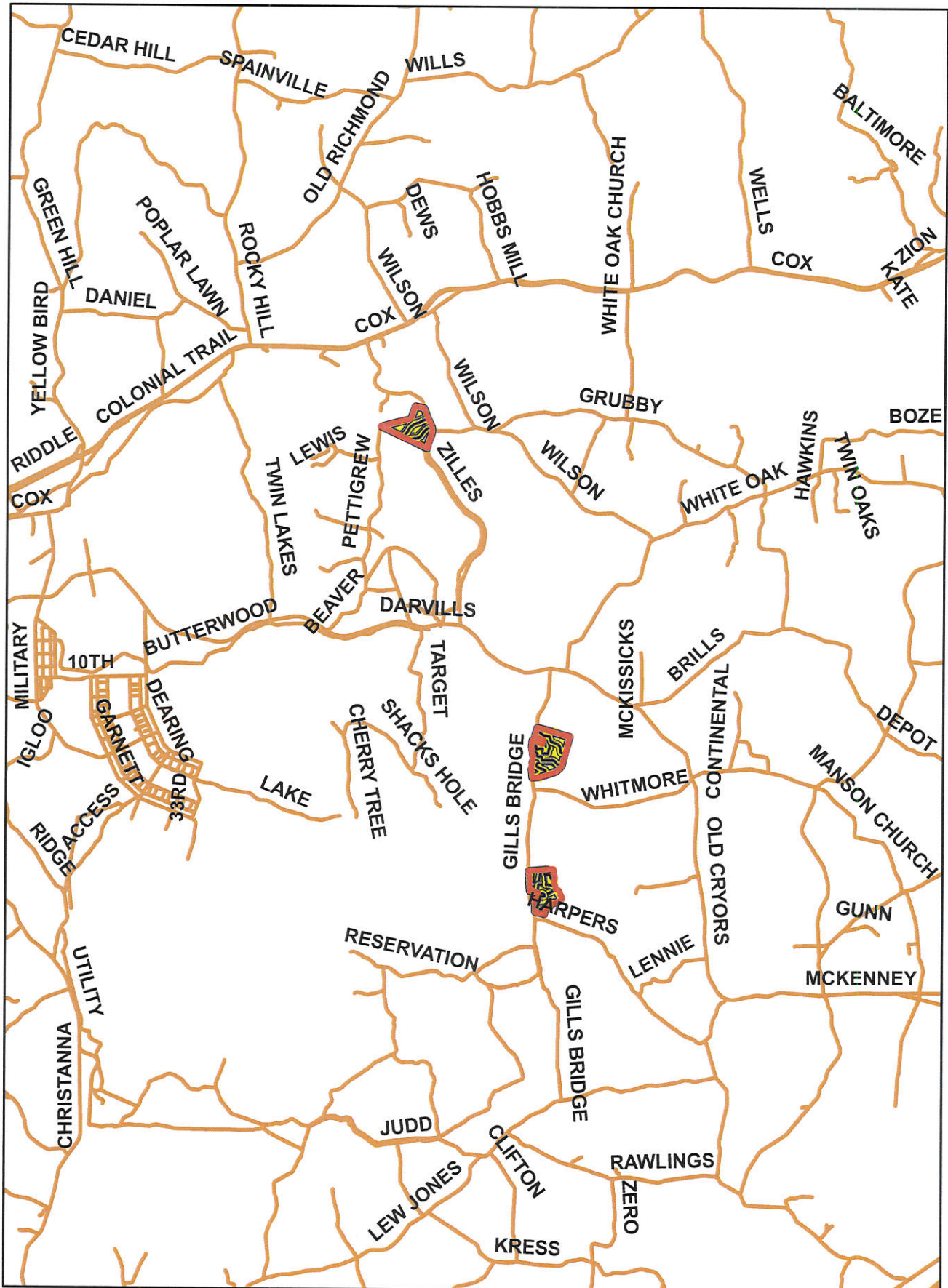
DWSAE 1-18

Truck Route marked
in Yellow

VICINITY MAP



11-25-19

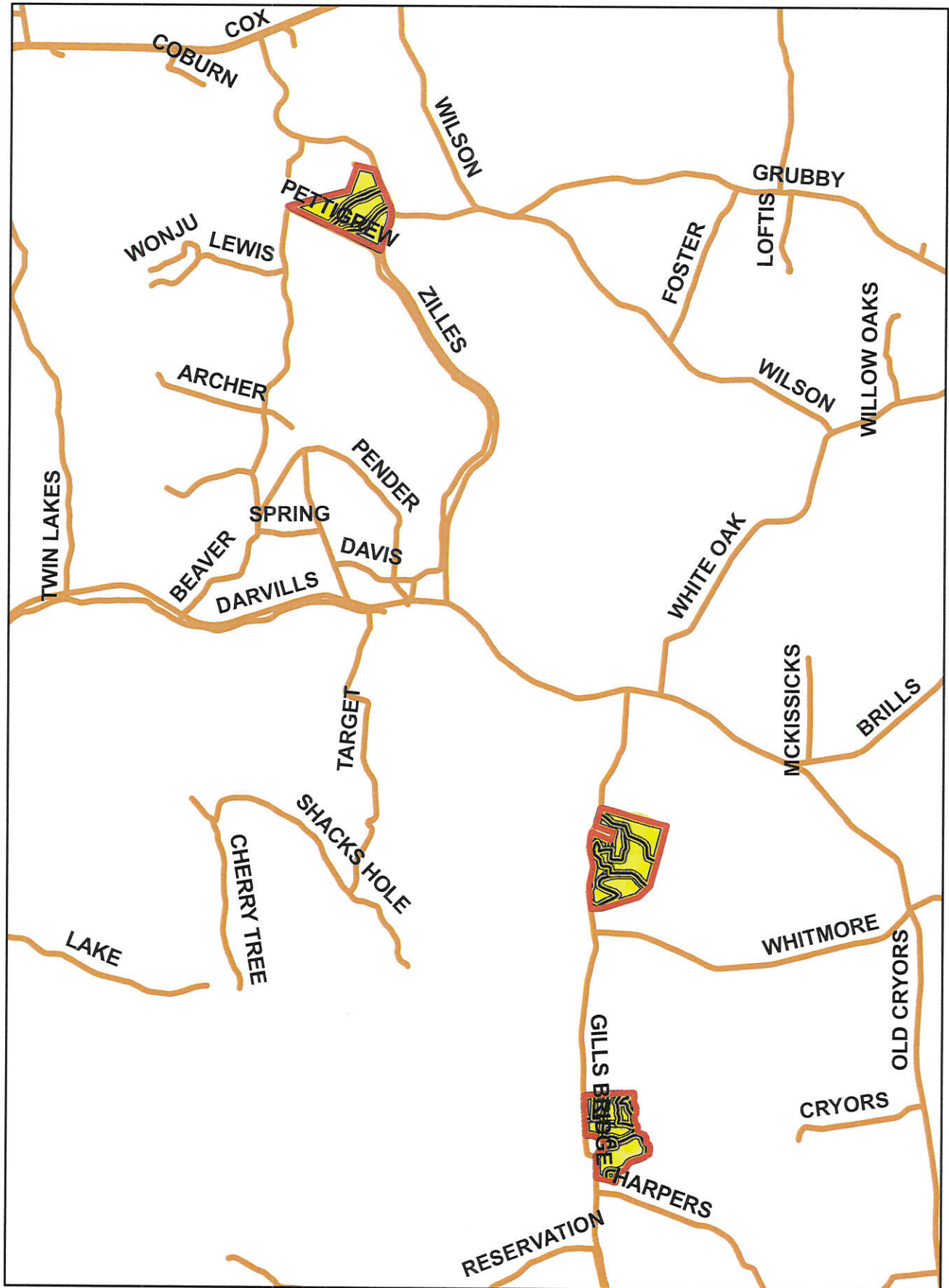


11-25-19

Vicinity Map

1 in = 2 miles

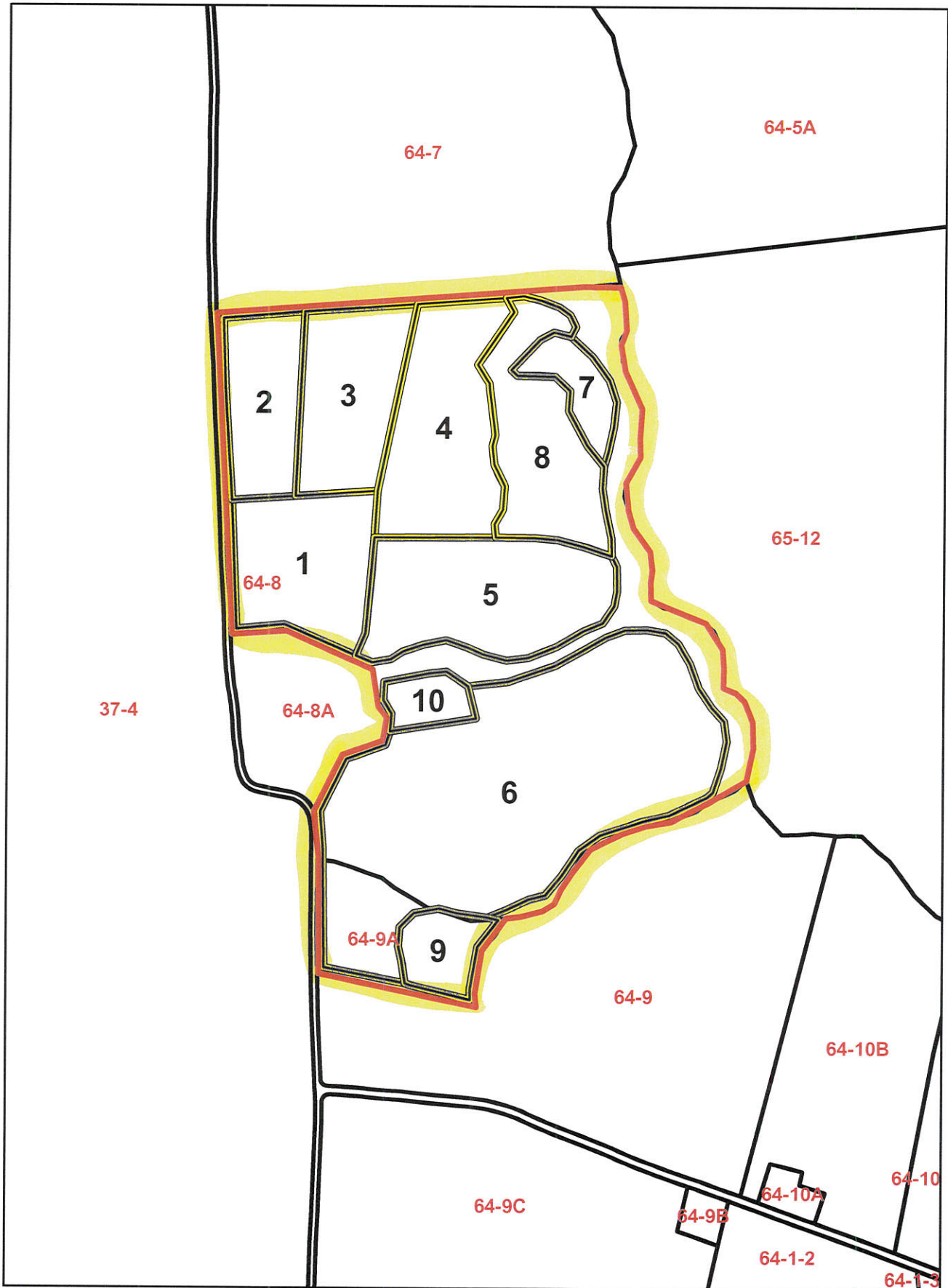




11-25-19

Vicinity Map

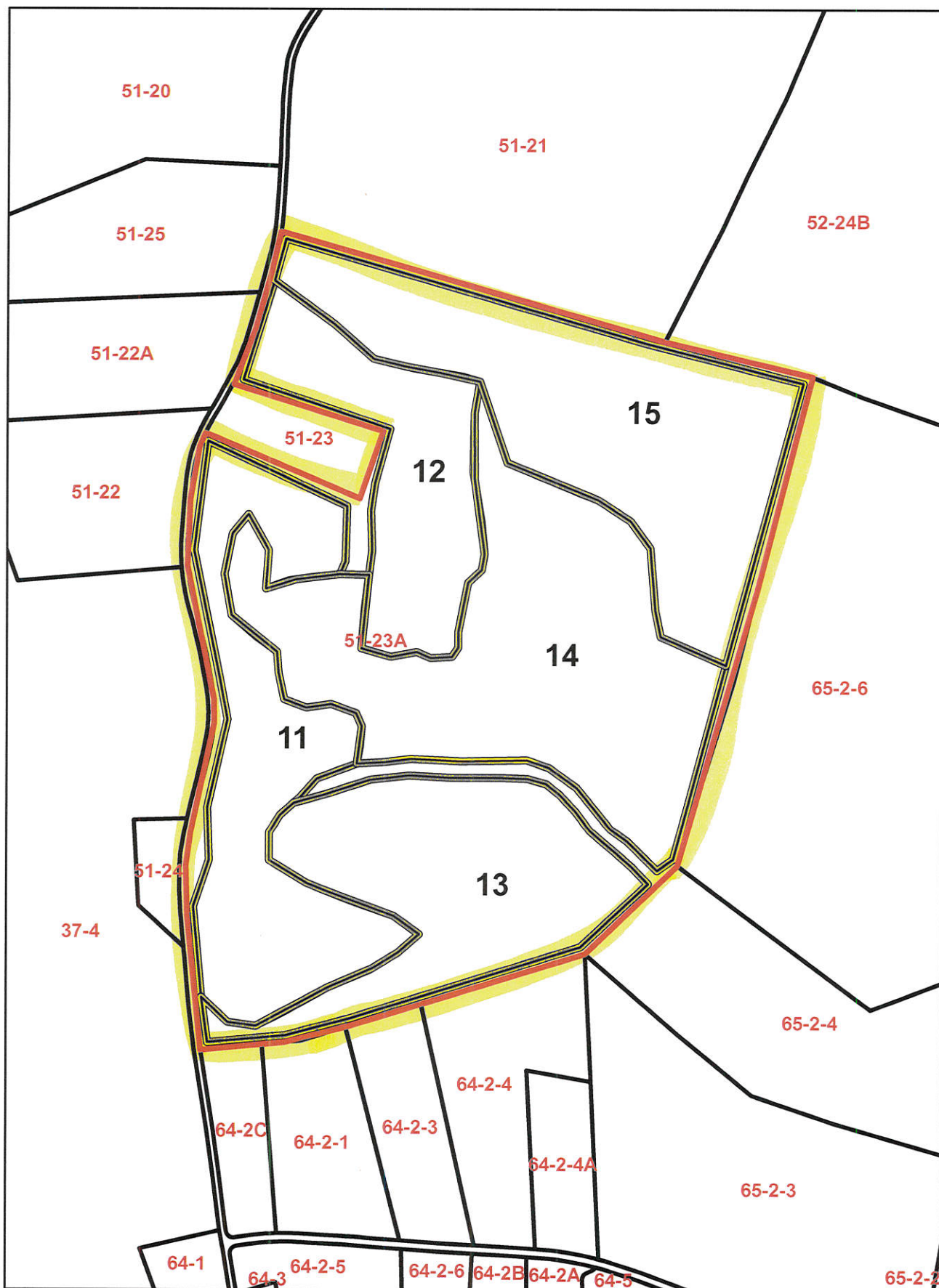
1 in = 1 miles



11-25-19

Tax Map

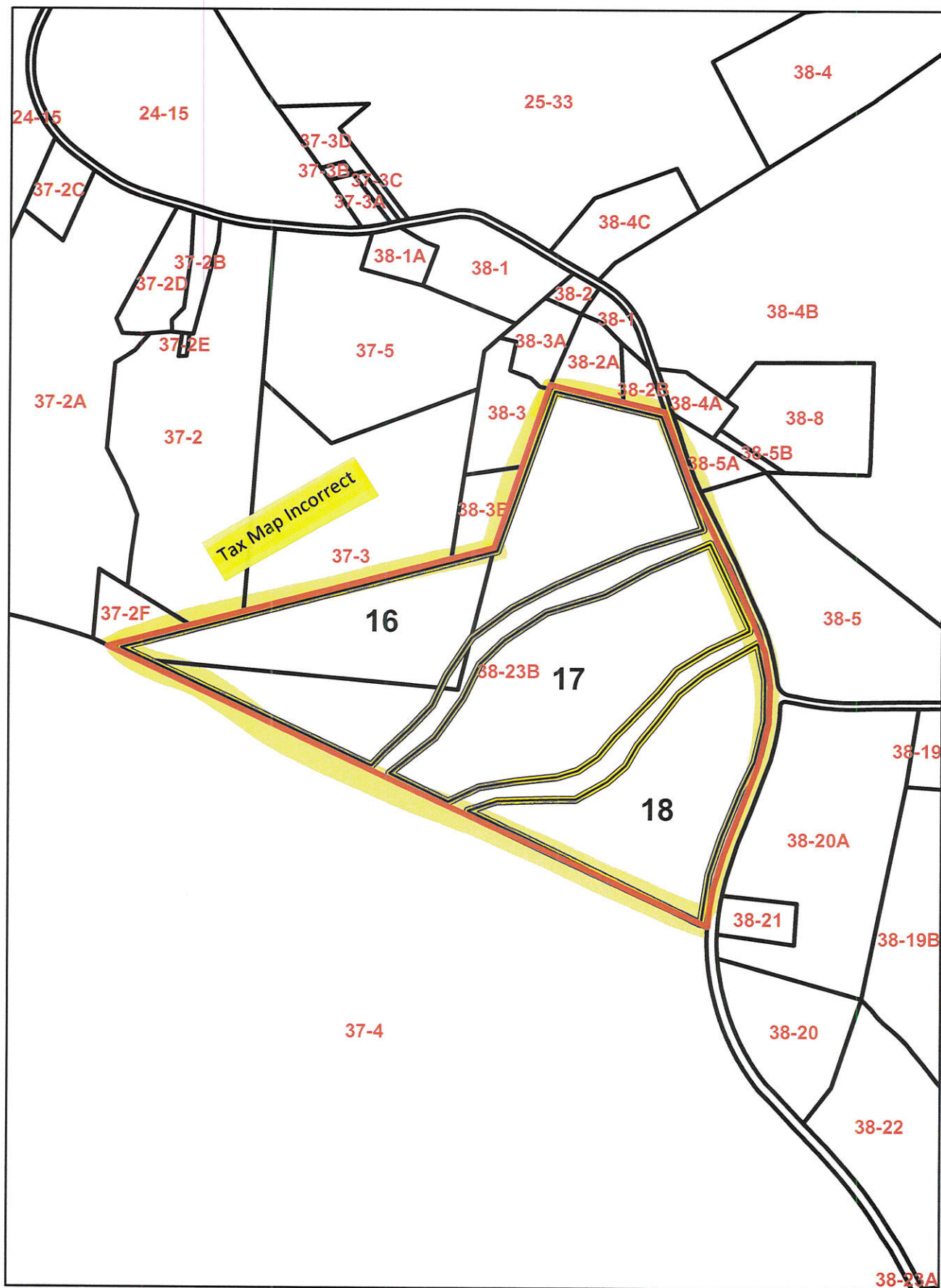
1 in = 660 feet



11-25-19

Tax Map

1 in = 660 feet

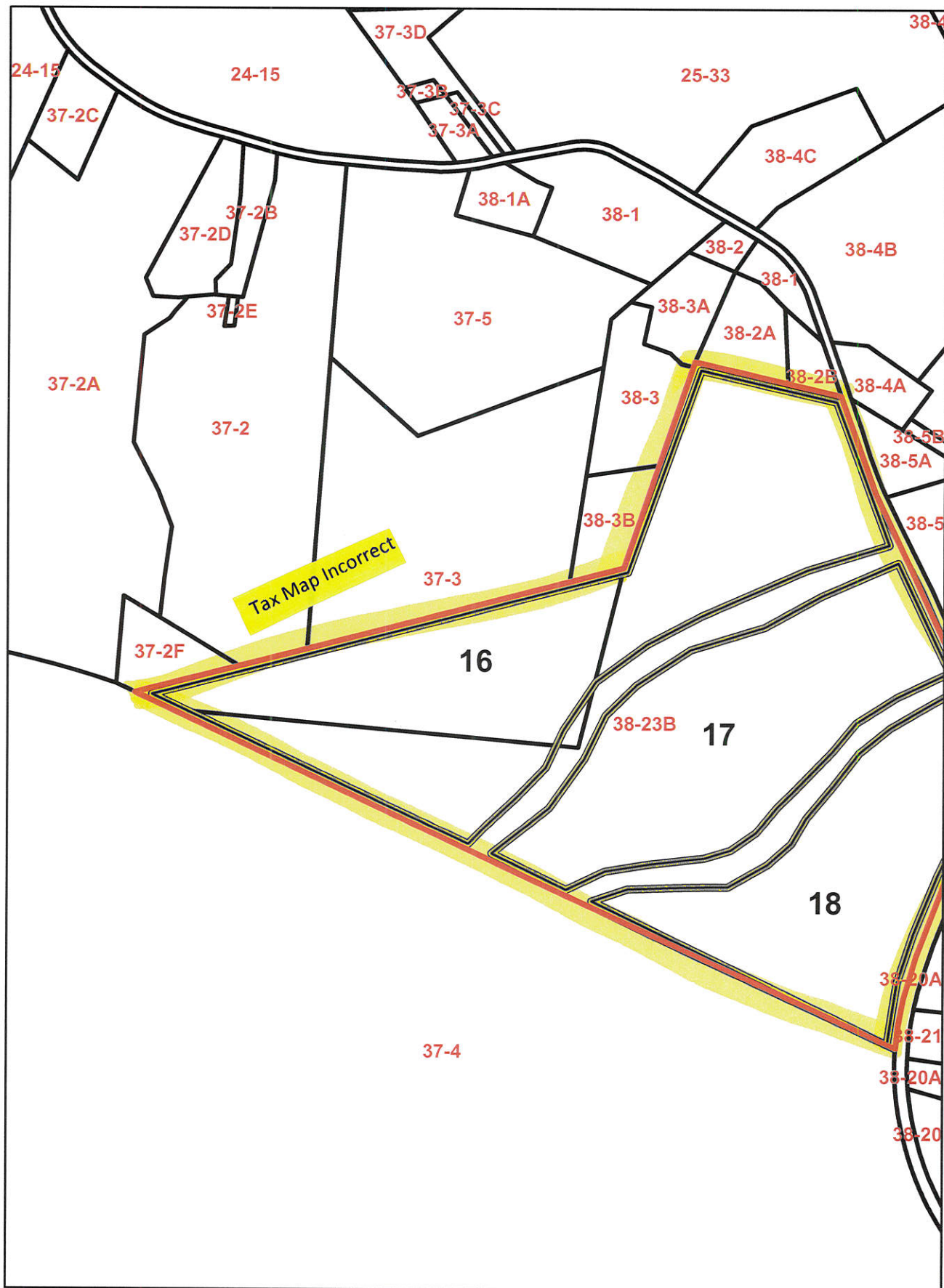


11-25-19

Tax Map

1 in = 833 feet

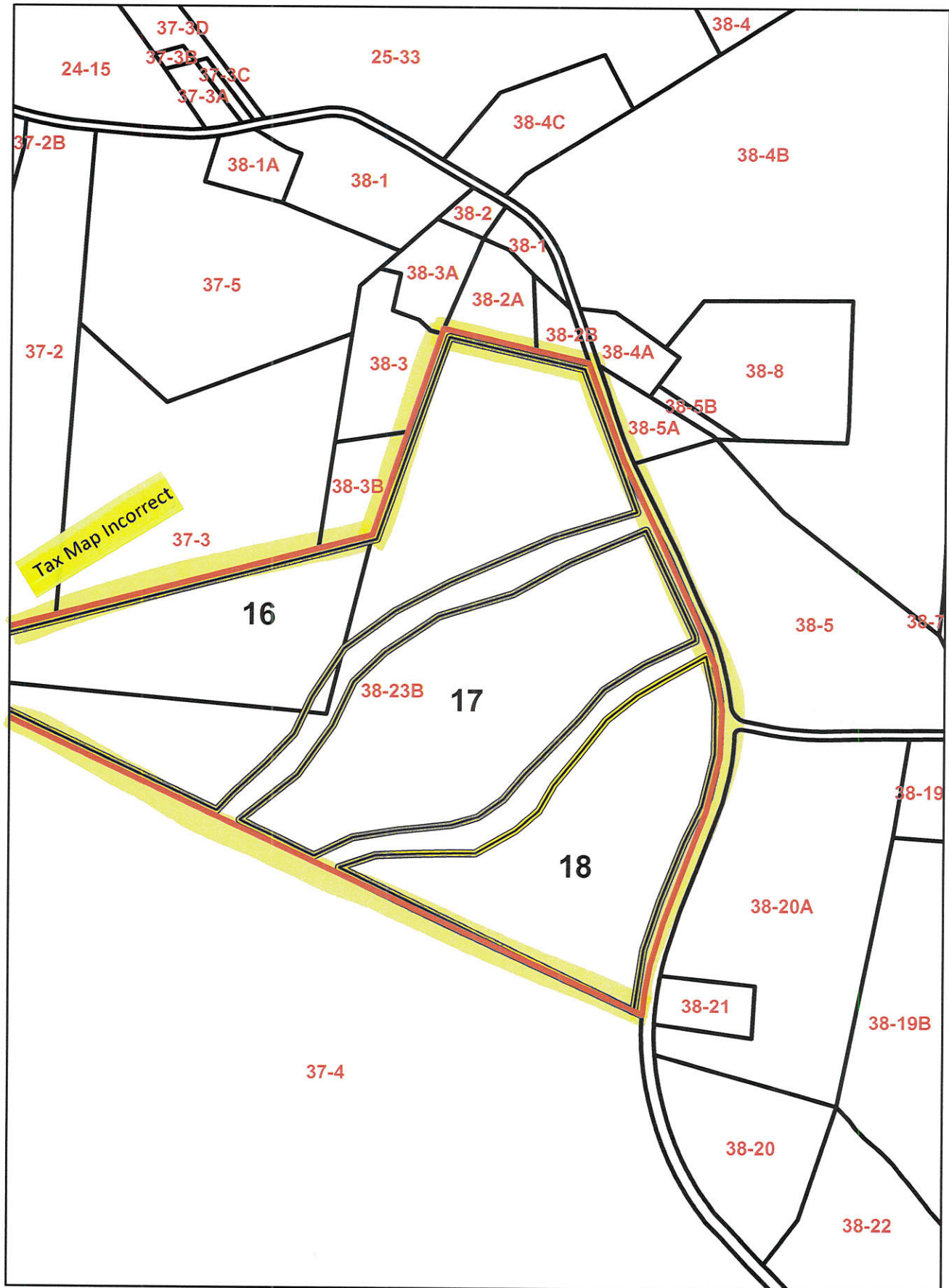




11-25-19

Tax Map

1 in = 660 feet



11-25-19

Tax Map

1 in = 660 feet

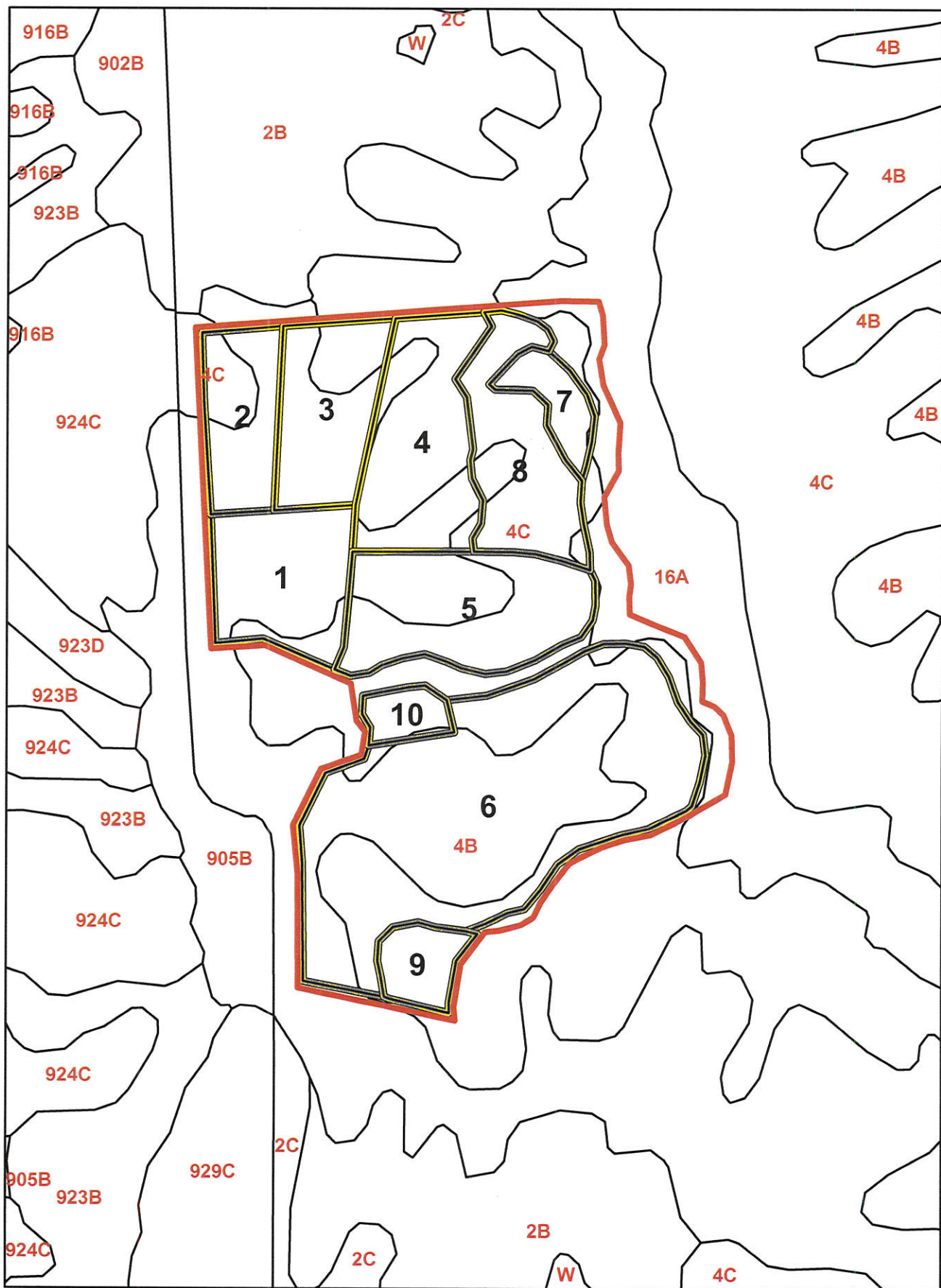
ADJOINING LANDOWNERS

SOUTHSIDE AG ENTERPRISES LLC

DINWIDDIE COUNTY

Tax Map	Parcel #	Owner Name(s)
37	3	Harrison A. or Deborah Moody
	4	USA c/o Sup. Petersburg Natl Battlefield
38	2A	Chandra H. Clark
	2B	Thomas A. Jordan
	3	Rosa Mae Hawkes Life Estate c/o Macktoy Hawkes
	3A	Cathy S. Hawkes
	3B	Keith J. Hawkes
	4A	Subcarrier Communications Inc.
	5	Robert John and Mary Kathryn Rossi
	5A	Harrison A. Moody
	5C	Robert John and Mary Kathryn Rossi
	20A	Mary Lee Wallace
51	27	Mac A. Pennell Jr.
	21	Dorothy A. Rowe
	22	Wilfred d. and Mary Sue H. Wilson and Alex W. Lawson
	22A	William E. and Janice B. Gibbs
	23	Timothy J. or Constanza C. Matthews
	24	Gills Bridge Road Cemetery c/o Beverly H. Mikeal
	25	Horace Nunnally Wainwright
52	24B	T & K Property Investments LLC
	26	Dixie Land Corporation
64	2C	Richard E. or Margaret A. Bishop
	5A	Ward Burton Wildlife Foundation
	7	Jennie C. Drinkwater
	8A	Herman T. Leimberger
	9	William A. and George R. Hudson

Tax Map	Parcel #	Owner Name(s)
64-2	1	Ward Burton Wildlife Foundation
	3	Ward Burton Wildlife Foundation
	4	Brandon J. or Victoria B. Kindall
65	12	Ward Burton Wildlife Foundation
65-2	3	Ward Burton Wildlife Foundation
	4	Dixie Land Corporation
	6	Dixie Land Corporation



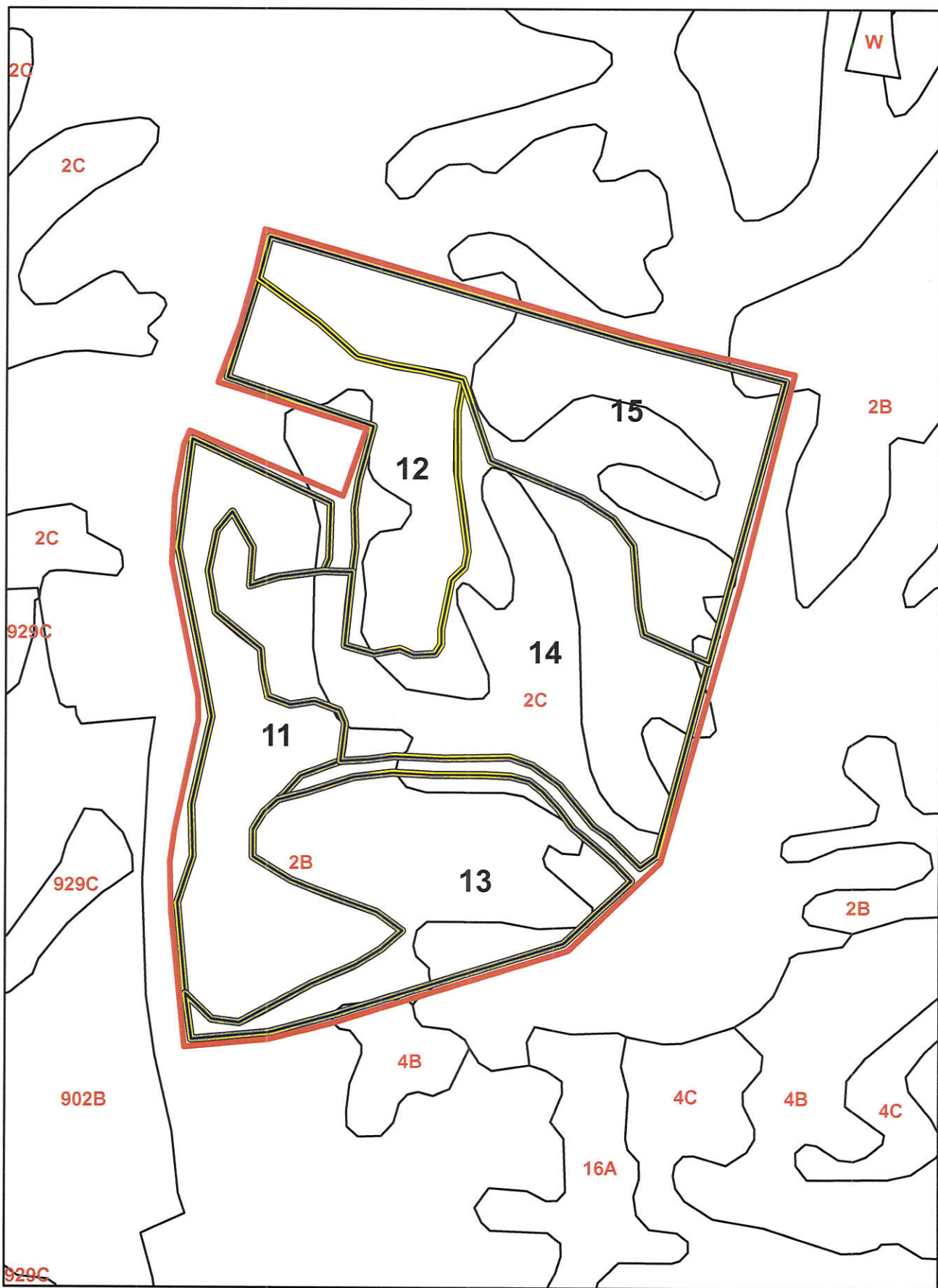
11-25-19




Frequently
Flooded

Soil Map

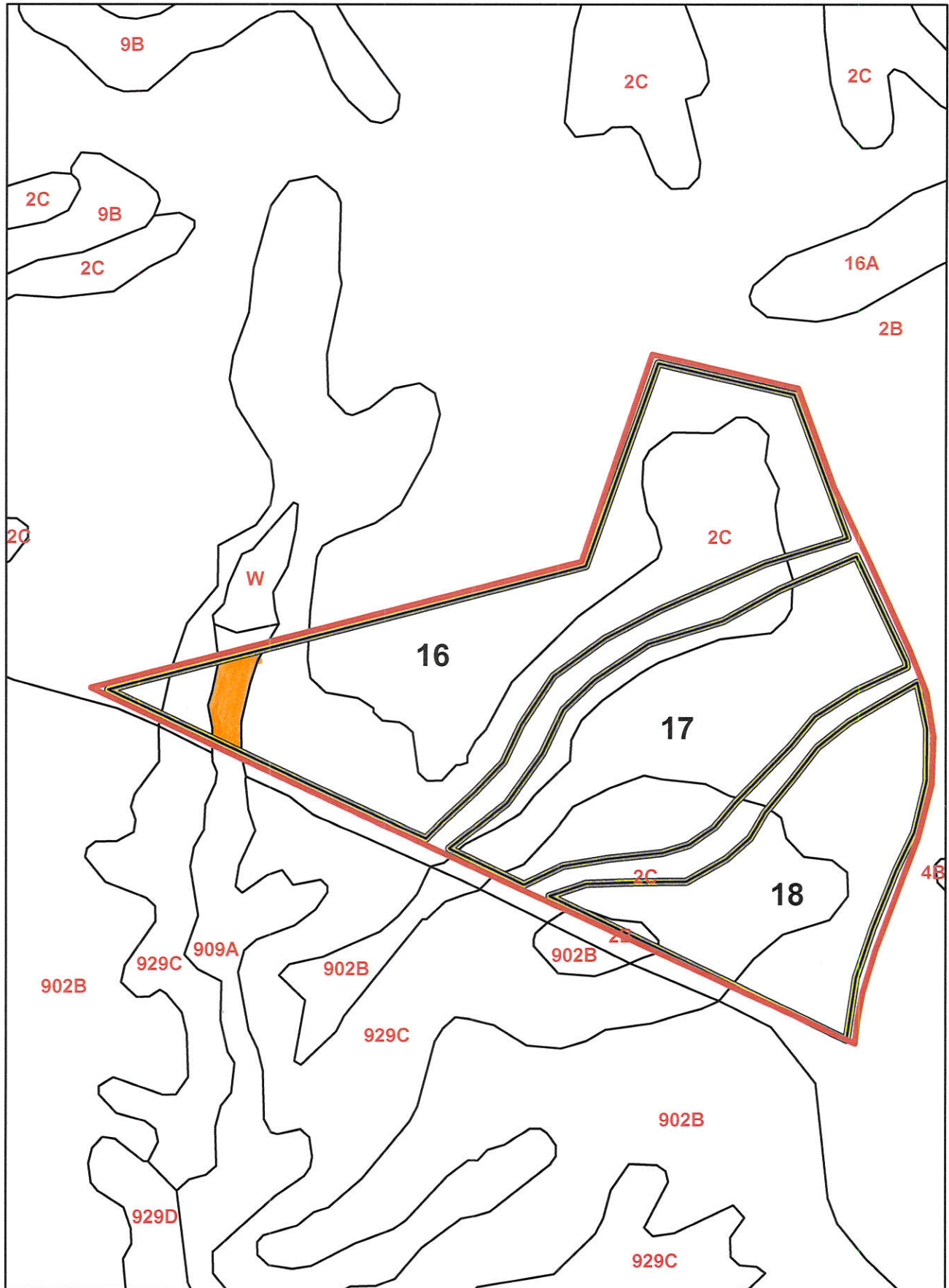
1 in = 660 feet



11-25-19
 Frequently
Flooded

Soil Map

1 in = 660 feet



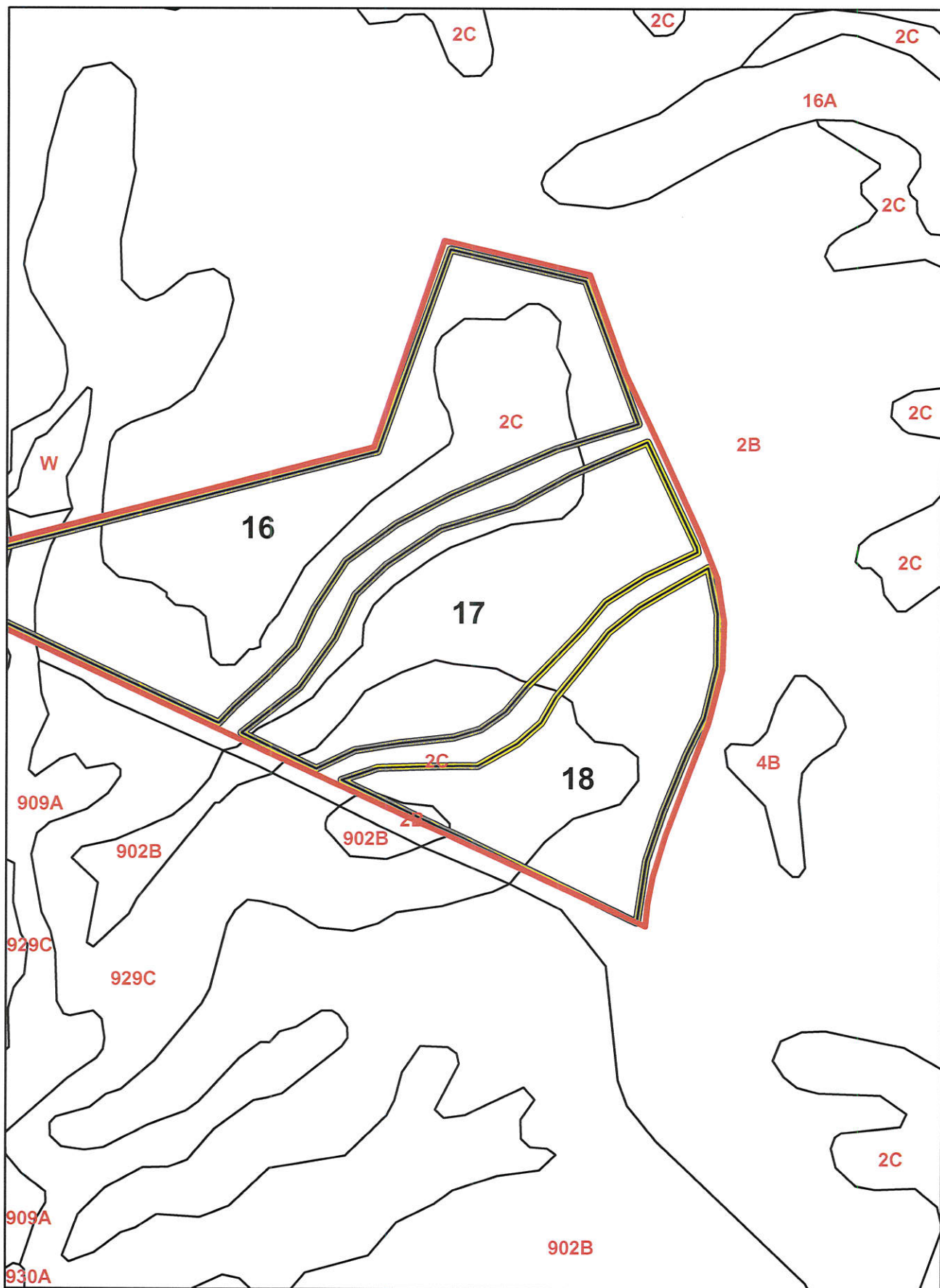
11-25-19

Soil Map

1 in = 660 feet



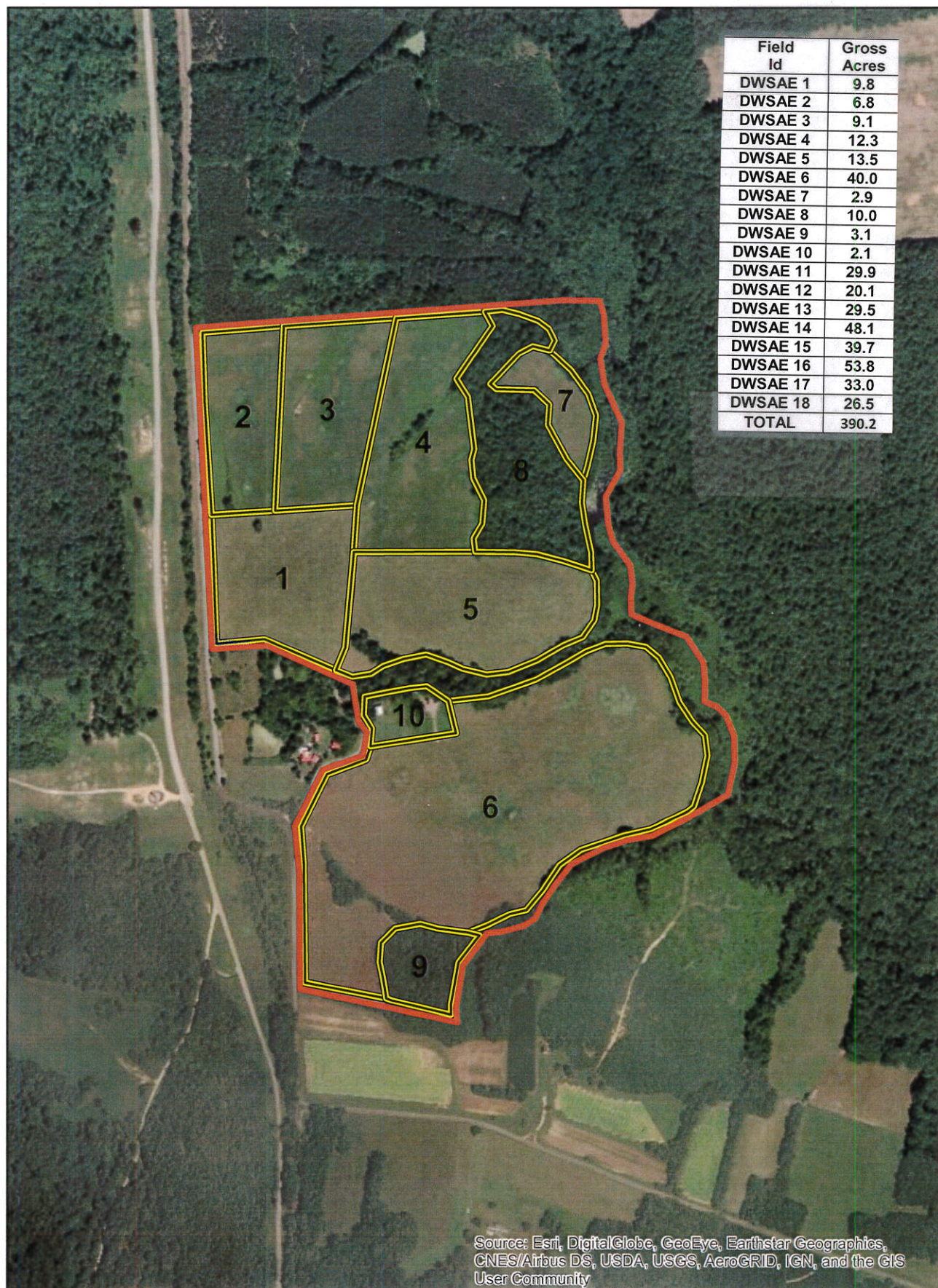
Frequently
Flooded



11-25-19
 Frequently
Flooded

Soil Map

1 in = 660 feet



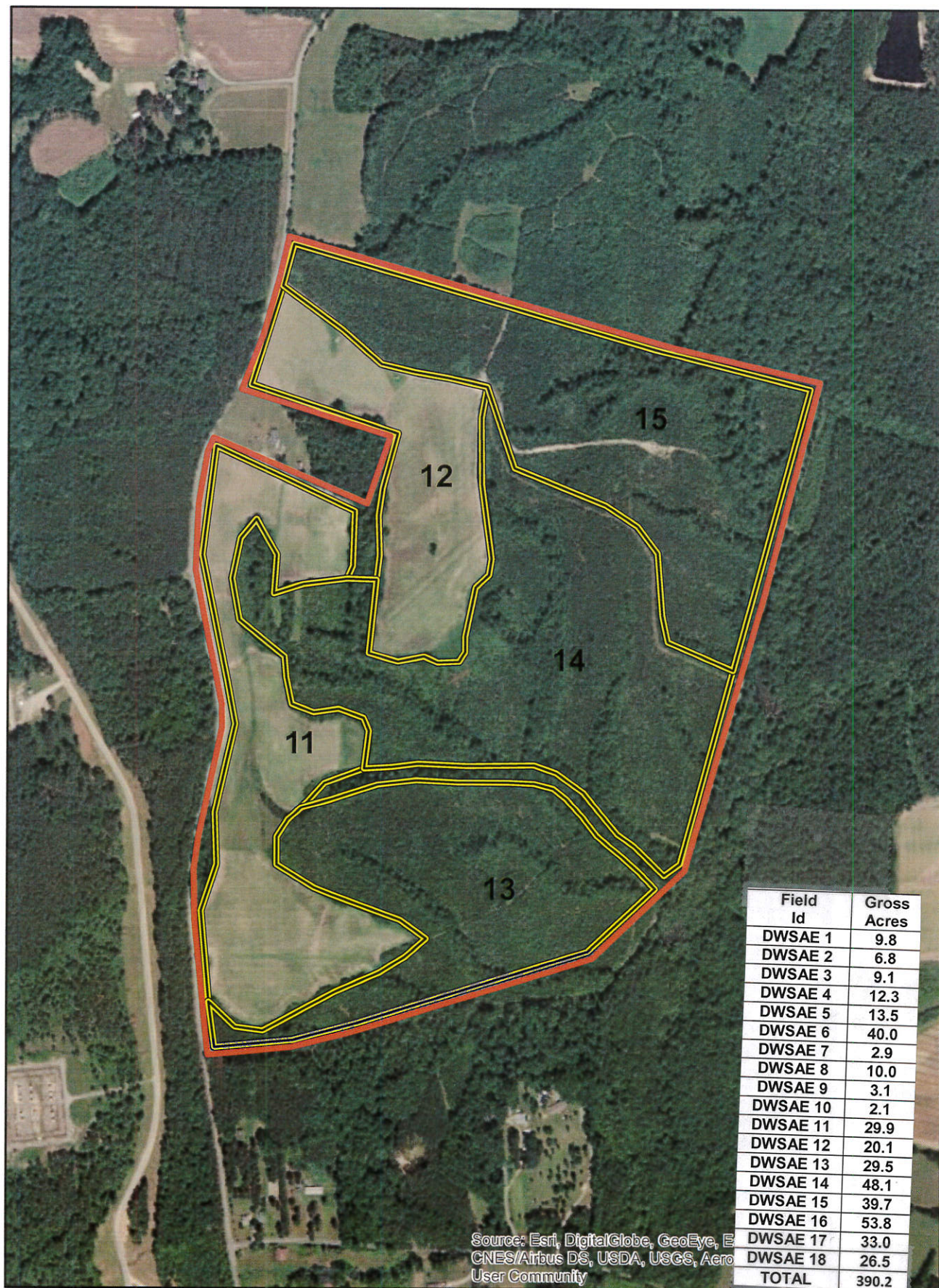
Field Id	Gross Acres
DWSAE 1	9.8
DWSAE 2	6.8
DWSAE 3	9.1
DWSAE 4	12.3
DWSAE 5	13.5
DWSAE 6	40.0
DWSAE 7	2.9
DWSAE 8	10.0
DWSAE 9	3.1
DWSAE 10	2.1
DWSAE 11	29.9
DWSAE 12	20.1
DWSAE 13	29.5
DWSAE 14	48.1
DWSAE 15	39.7
DWSAE 16	53.8
DWSAE 17	33.0
DWSAE 18	26.5
TOTAL	390.2



11-25-19

Aerial Map

1 in = 660 feet

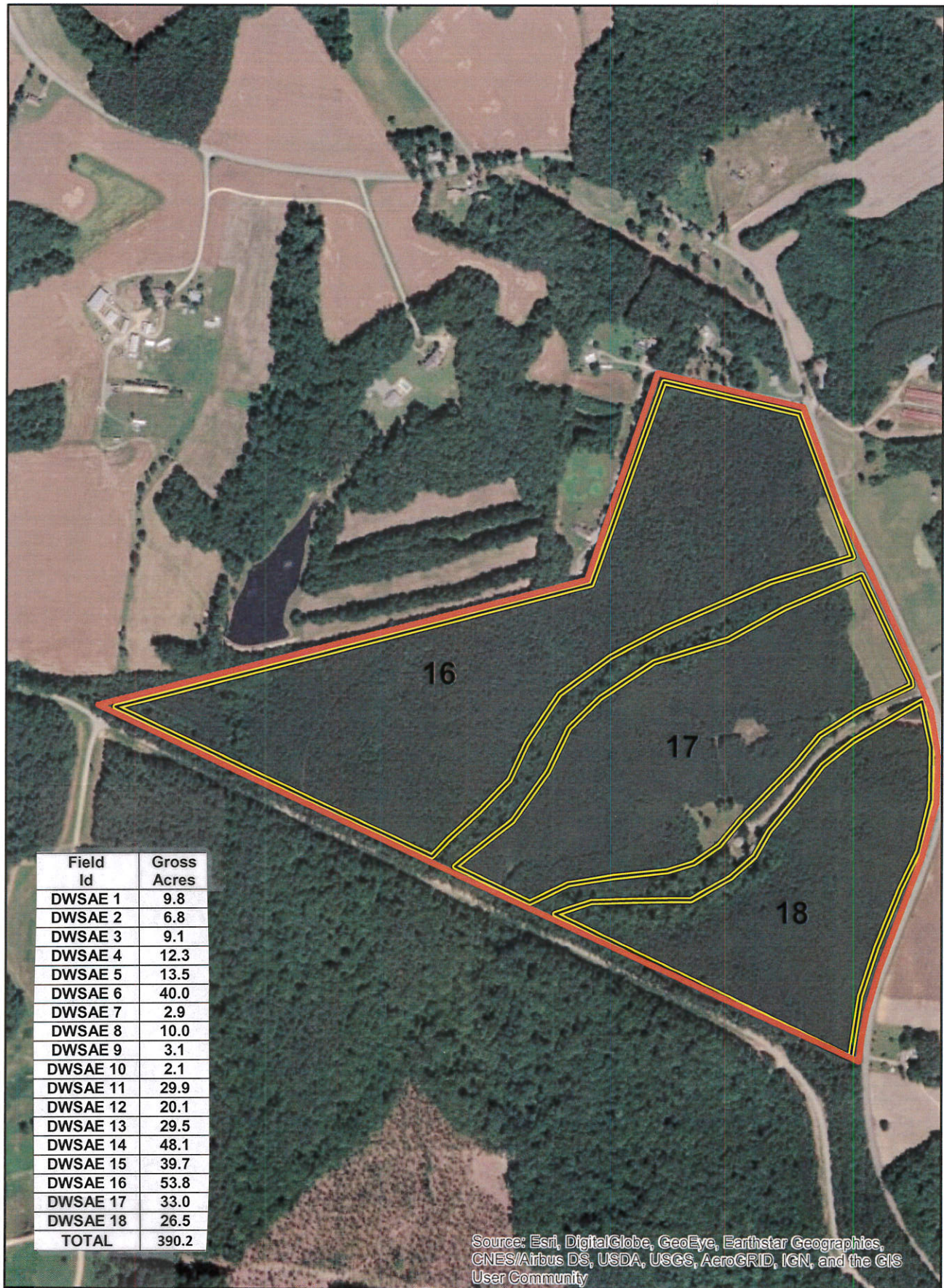


11-25-19

Aerial Map

1 in = 660 feet





11-25-19

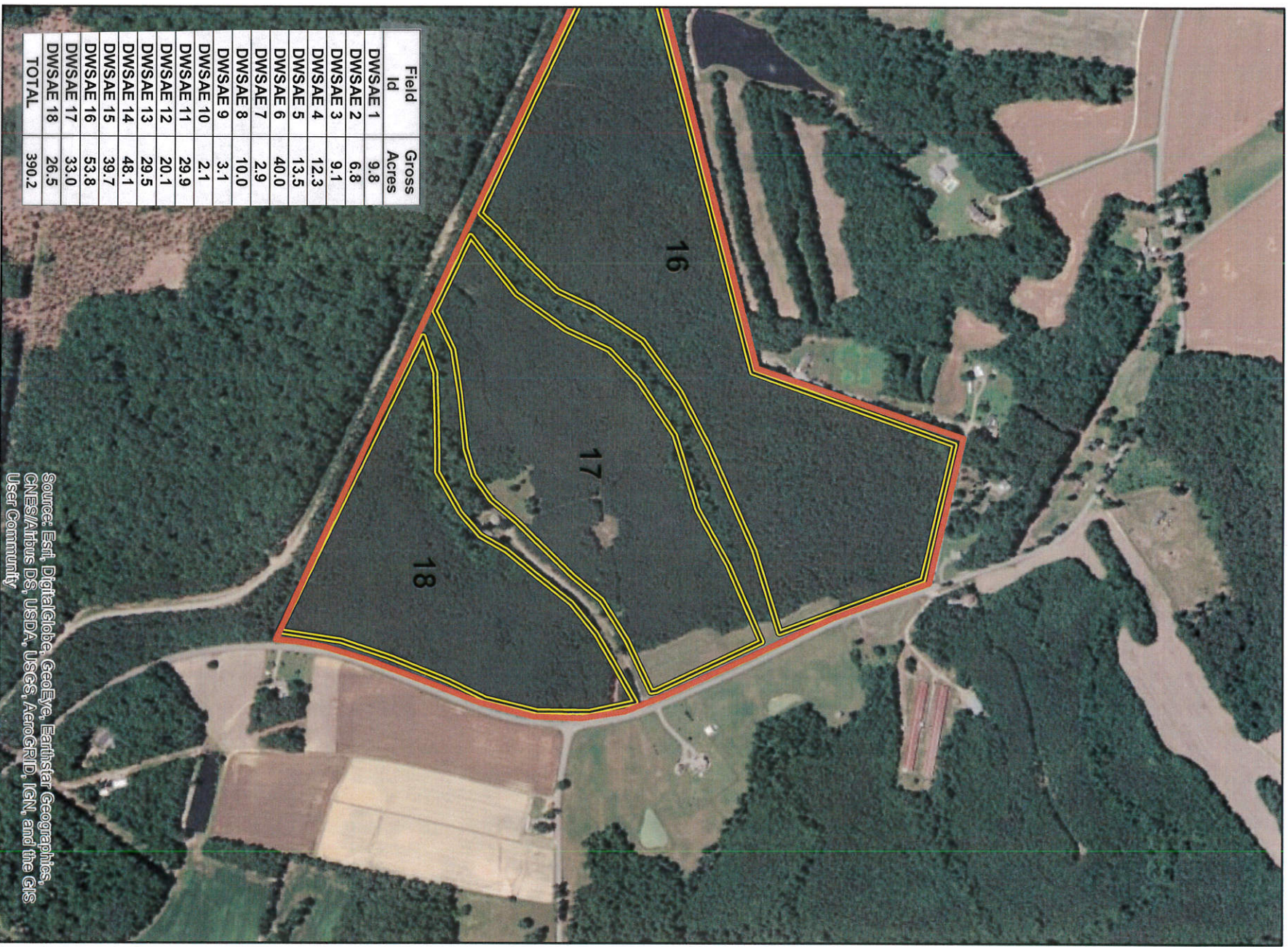
Aerial Map

1 in = 660 feet



Recyc Systems[®]
Inc.

Southside Ag Enterprises LLC



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Aerial Map

1 in = 660 feet

11-25-19





United States
Department of
Agriculture

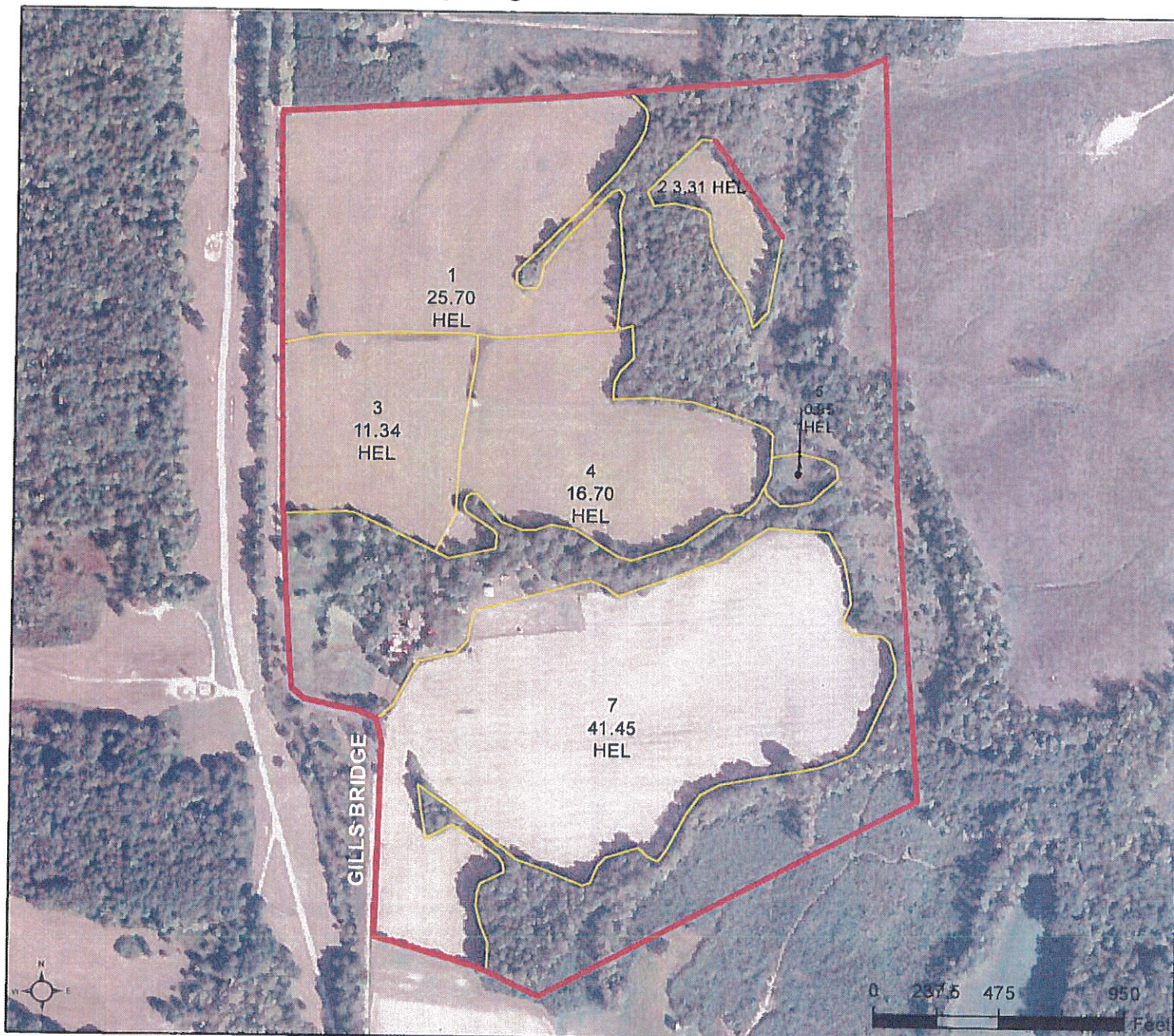
Dinwiddie County, Virginia

Tract 427

Farm 4485

2019 Program Year

Map Created June 20, 2019



Common Land Unit

- Non-Cropland
- Cropland
- rcl_l_va053
- Tract Boundary

Wetland Determination Identifiers

- Restricted Use
- Limited
- Exempt from Conservation Compliance Provisions

Tract Cropland Total: 99.45 acres

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United States
Department of
Agriculture

Dinwiddie County, Virginia

Tract 5205

Farm 4574

2019 Program Year

Map Created June 20, 2019



Common Land Unit

- Non-Cropland
- Cropland
- rcl_l_va053
- Tract Boundary

Wetland Determination Identifiers

- Restricted Use
- Limited
- Exempt from Conservation Compliance Provisions

Tract Cropland Total: 51.10 acres

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United States
Department of
Agriculture

Dinwiddie County, Virginia

Tract 2379

Farm 4555

2019 Program Year

Map Created June 20, 2019



Common Land Unit

- Non-Cropland
- Cropland
- rcl_l_va053
- Tract Boundary

Wetland Determination Identifiers

- Restricted Use
- Limited
- Exempt from Conservation Compliance Provisions

Tract Cropland Total: 4.01 acres

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United States
Department of
Agriculture

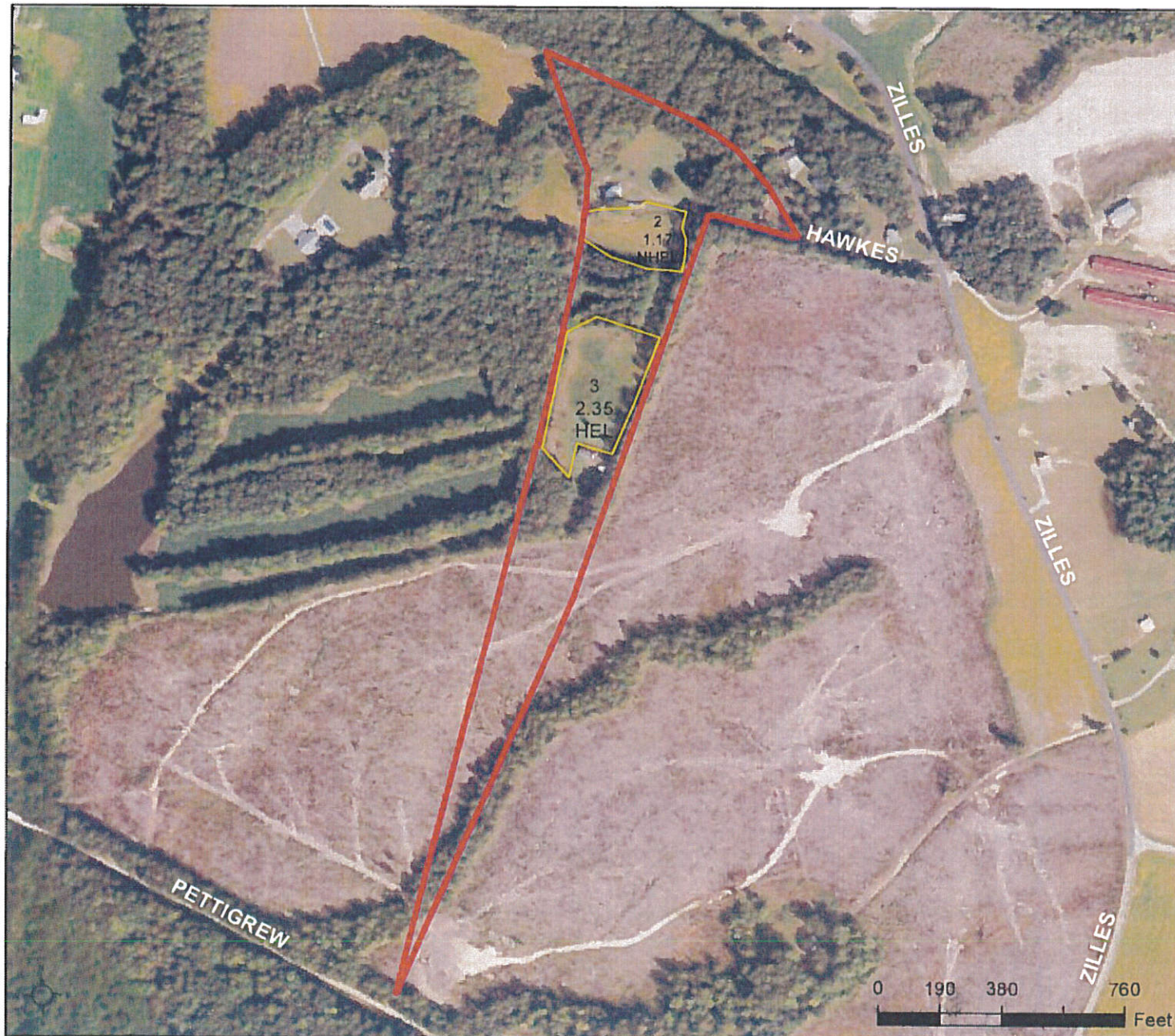
Dinwiddie County, Virginia

Tract 2307

Farm 4555

2019 Program Year

Map Created June 20, 2019



Common Land Unit

Non-Cropland

Cropland

rcl_l_va053

Tract Boundary

Wetland Determination Identifiers

Restricted Use



Limited

Exempt from Conservation
Compliance Provisions

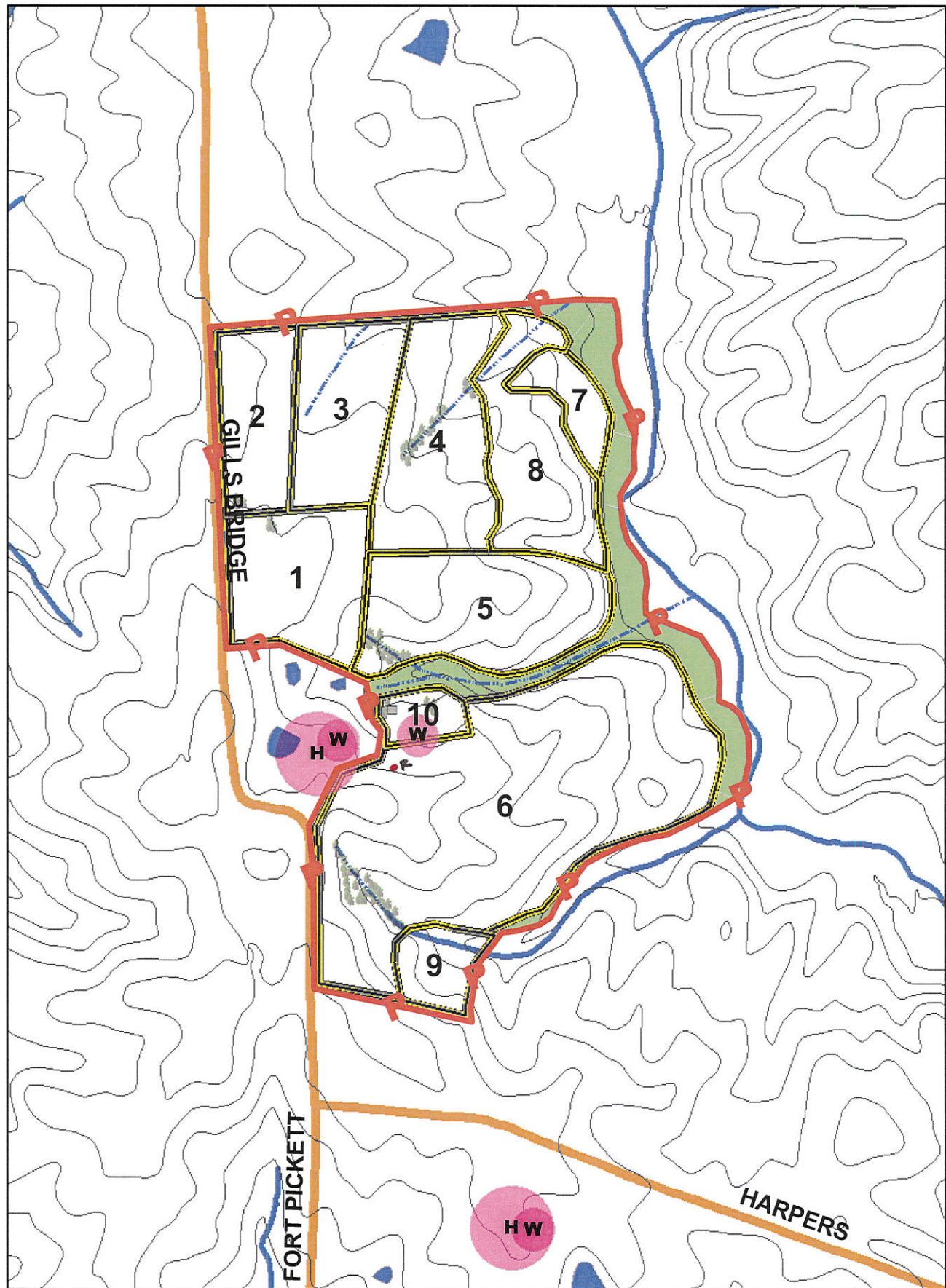
Tract Cropland Total: 3.52 acres

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

Legend For Site Plan

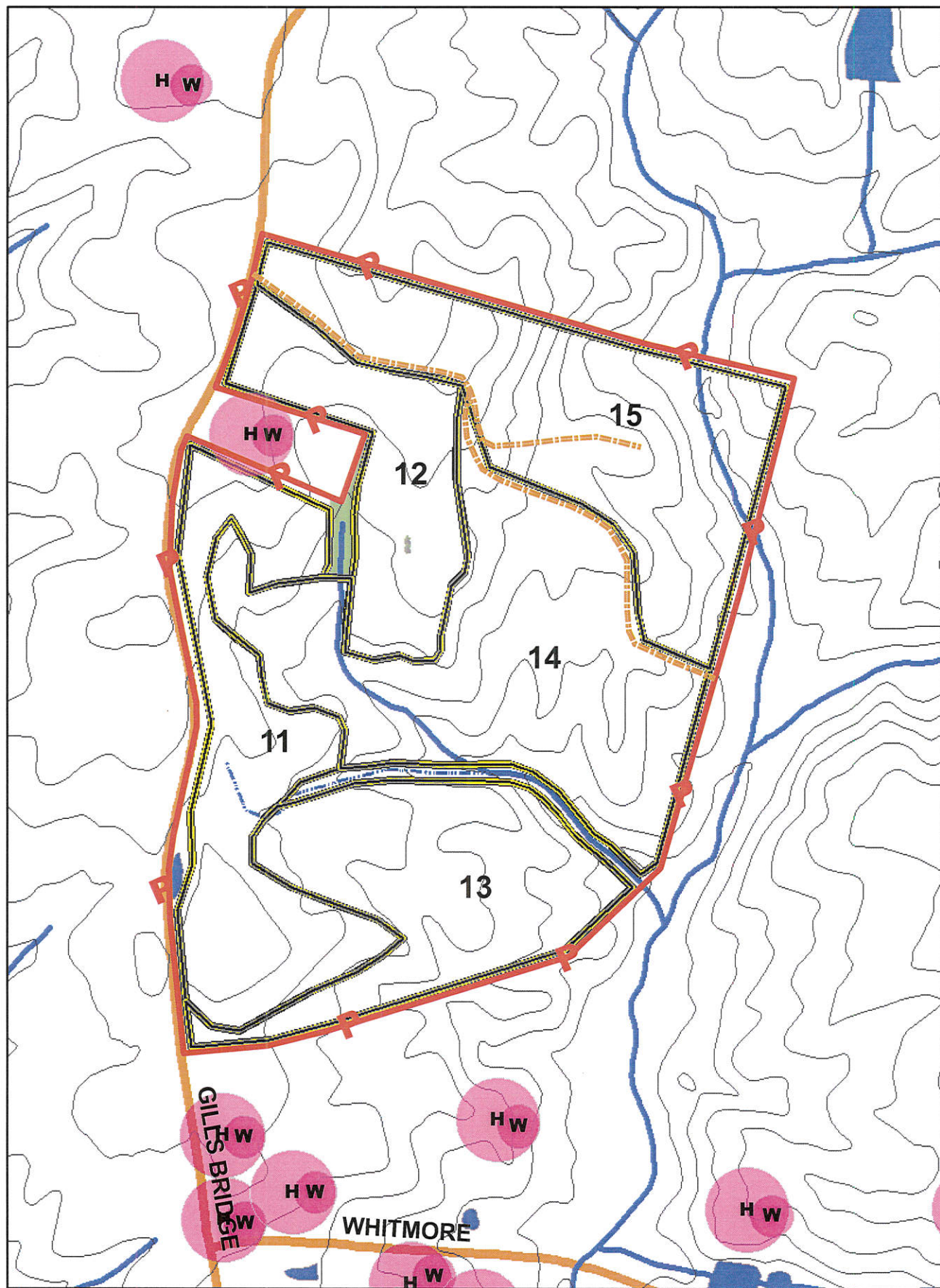
Symbol	Feature	Minimum Setback
	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
 	Well or Spring	100 feet from water supply wells or springs
	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
	Wet Spot	
	Trees and Woods	
	Private Drive	
	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
	Severely Eroded Spot	18 Inch minimum depth of soil
  	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
	Fence / Field Boundary	
	Property Line	100 feet from property line *
 	Slope	15% maximum
	Hashed out Area	No application

*Buffer can be reduced or waived upon written consent from landowner.



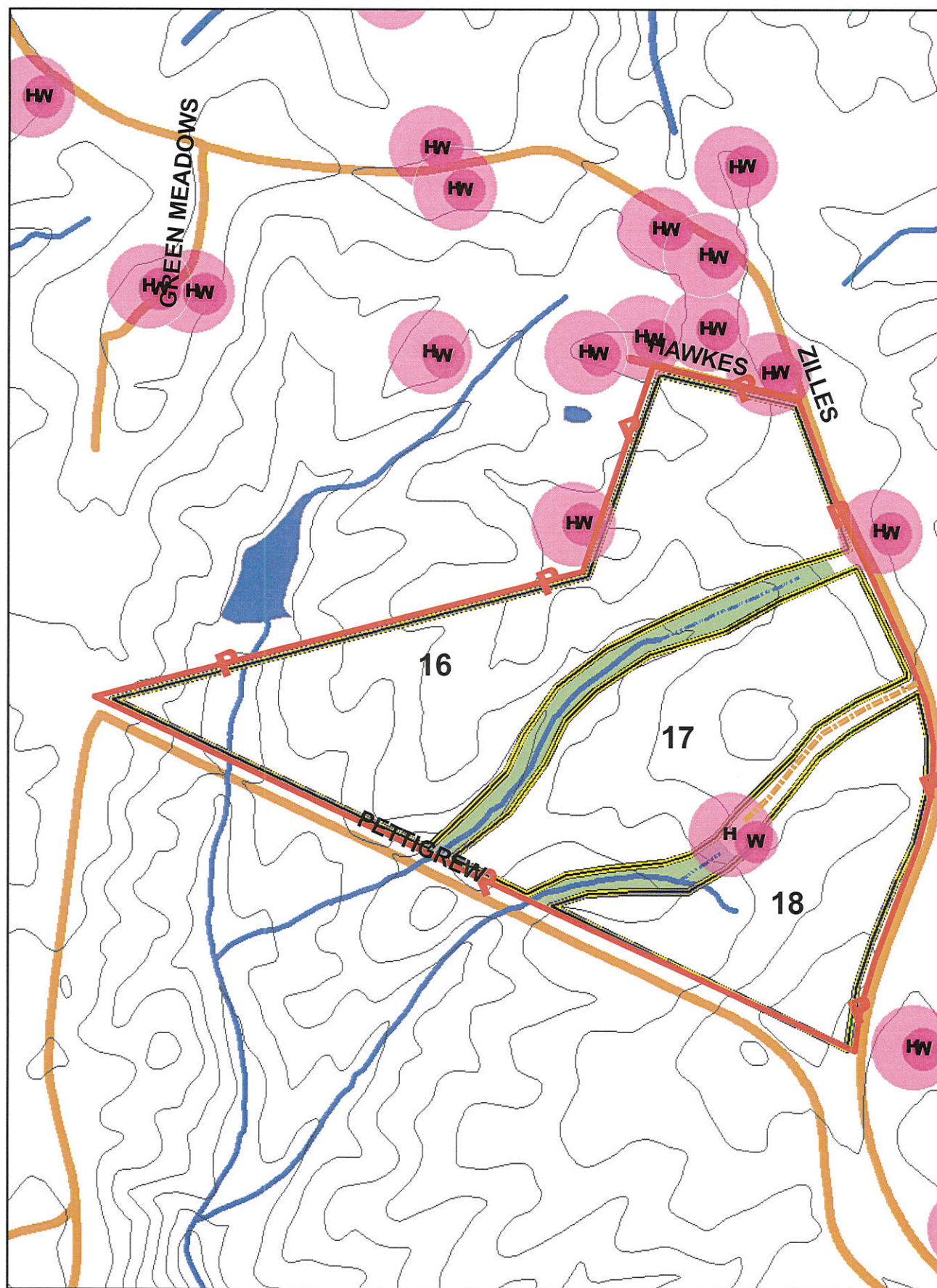
Site Map

1 in = 660 feet



Site Map

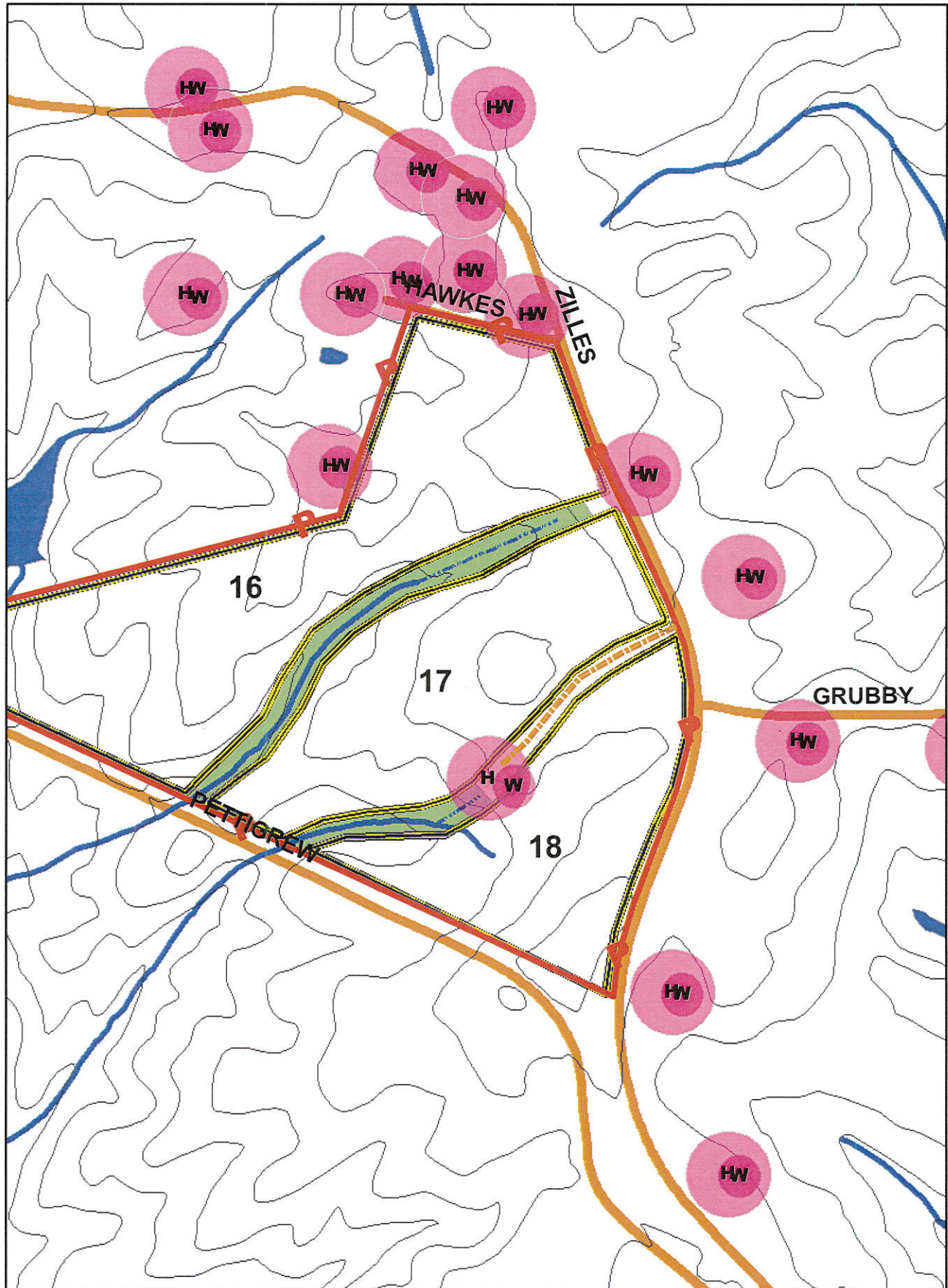
1 in = 660 feet



11-25-19

Site Map

1 in = 660 feet

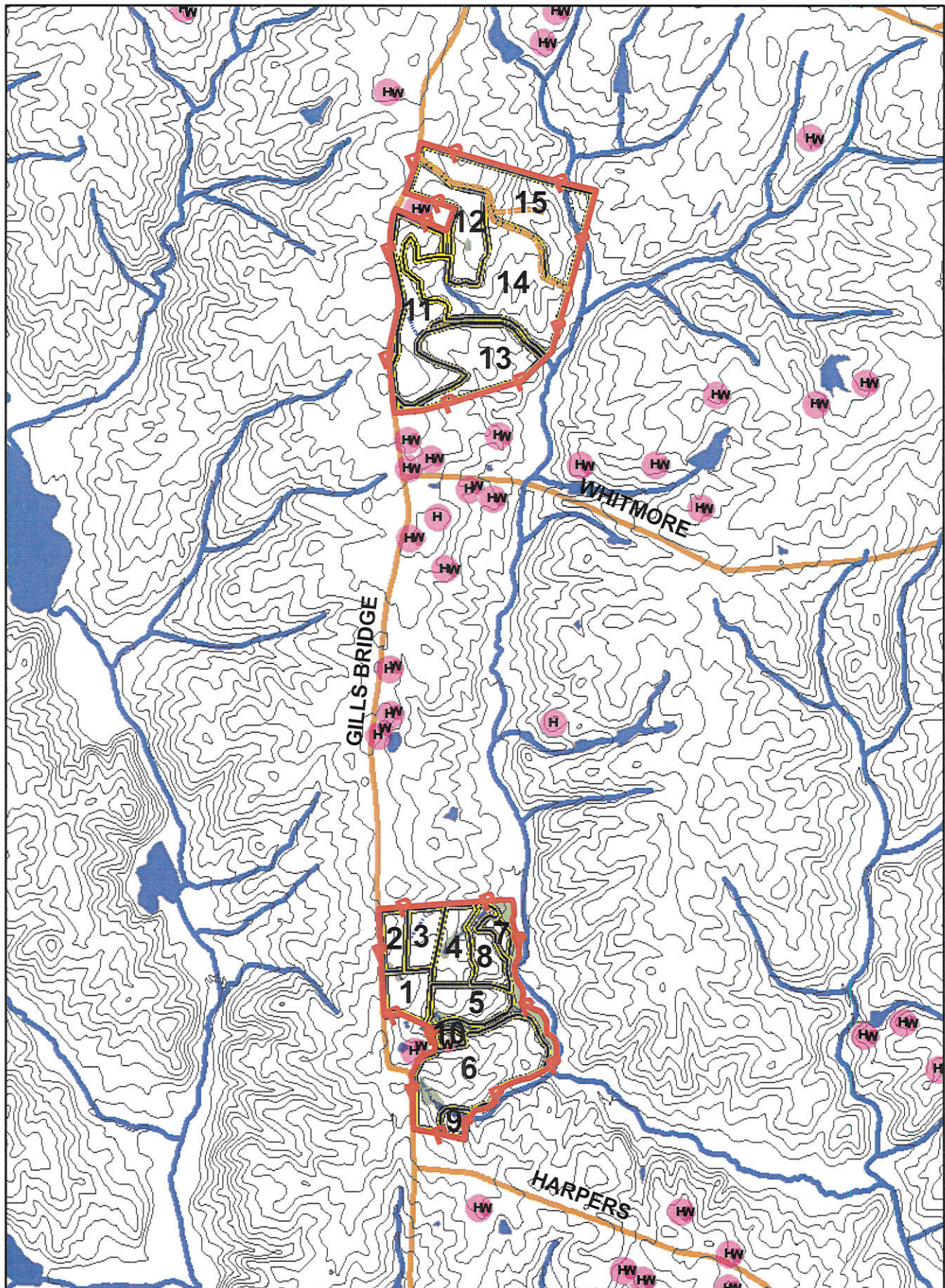


11-25-19

Site Map

1 in = 660 feet



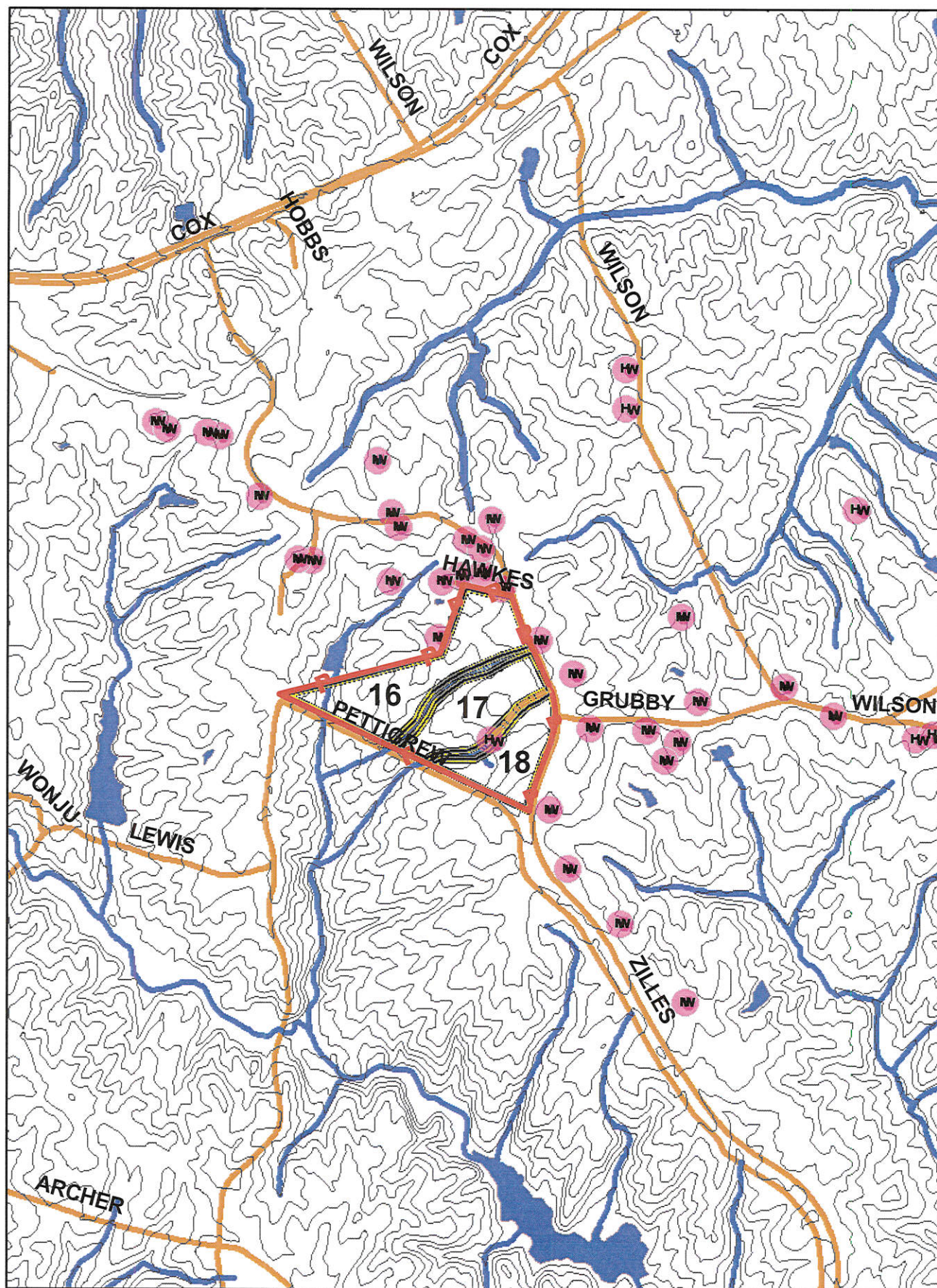


11-25-19

Topographic Map

1 in = 2,000 feet





11-25-19

Topographic Map

1 in = 2,000 feet

